Anudit Verma

MS Computer Science │ California State University
Long Beach │ California US

anudit.in
contact@anudit.in

Education

University	Qualification	Year	Grade
California State University Long Beach	MS CS	2019 - 21	3.5 / 4.0
University School of Information & Communication Technology Guru Gobind Singh Indraprastha University	B.Tech (CSE)	2013 - 17	73.30 %

Experience

College of Engineering — CALIFORNIA STATE UNIVERSITY LONG BEACH   (September 2020 - Present)

Full Stack Engineer

- Developed and maintained the application for enrollment, payment and coordination of Joint Training and Certification Program of CalTrans: California Department of Transportation (dot.ca.gov).
- Actively used by 10000+ candidates in the highway construction industry through out the State of California.
- Spearheaded tasks and collaborated with cross-functional teams for UI/UX design, application development, testing and deployment phases.

Project Link: https://web.csulb.edu/colleges/coe/jtcp/index.php
Tech Stack: PHP, JavaScript, HTML, CSS, MySQL, REST APIs,

Developer Student Clubs   (July 2020 - Present)

DSC Lead

- Selected as a Developer Student Club (DSC) Lead by Google for California State University - Long Beach for the year 2020-21.
- Responsible for spearheading a student-led on-campus club to grow students' knowledge in a peer-to-peer learning environment and build solutions for local businesses and their community.
- Empowered students by conducting technical workshops and meetups related to computer programming and software engineering by leading a discreetly selected ensemble of experienced Core Team Members.

Link: https://developers.google.com/community/dsc/leads

Embassy of India - Washington, D.C. (July 2020 - August 2020)
Summer Volunteer (Advice Series Vertical)

- The India Student Hub falls under the umbrella of the Embassy of India, Washington DC, and enables students to participate in India's development.
- As part of the Advice Series team, we collated advice for the incoming international Indian students on how to thrive in an American higher education ecosystem.

Link: https://www.ishubus.com

Projects

Google Summer of Code 2015 (May 2015 - August 2015)

New API: Open Supporter Data Interface Implementation

- Designed and implemented REST APIs for *CiviCRM* to enable interoperability among various association management systems.
- Ensured compliance with *Open Supporter Data Interface (OSDI)* to lower integration costs and data consistency across other platforms.
- Worked closely with assigned project mentors Joe McLaughlin (California, US) and Eileen McNaughton (Wellington, NZ) to understand design requirements.

Project Link: https://github.com/anuditverma/org.civicrm.osdi

Tech Stack: PHP, REST APIs, JavaScript, JSON

airtel Suvidha (24-hours Hackathon, 20 May 2017 - 21 May 2017)

Airtel Suvidha: A Recommendation Engine

- Awarded 1st prize in *Airtel* WHack Hackathon, worked in a 4 members team to develop a recommendation engine for *Airtel*, an Indian telecommunications company.
- *Suvidha* is a data analysis tool that studies users' usage patterns and recommends optimal recharge plans based on the pattern. It provides *Airtel* with a better insight into their product's performance.

Details: https://www.hackerearth.com/challenges/hackathon/airtel-hackathon/

Tech Stack: Flask-RESTful, MongoDB, JavaScript, Python, PHP

EY Contract Reader Tool (24-hours, 4-5 November 2017)

EY Intelligent Automation Hackathon

- Winners at Ernst & Young (EY) Intelligent Automation Hackathon, worked in a four members team to develop a Contract Reader Tool.
- The tool performs contract completeness check, extraction of relevant clauses, executes applicability checks and subsequently shares the result report.
- It predicts the most likely rate of tax deducted at source applicable to a particular transaction by reading keywords from the invoice and map them against rate master.

Press: https://www.moneycontrol.com/news/technology/ey-hackathon-winners-develop-tax-compliance-solutions-with-automation-2439821.html

Tech Stack: Python, MongoDB, pyPDF2, Textract, Natural Language Toolkit (NLTK)

University School of Information, Communicatio & Technology

IoT Smart Home System: Undergraduate (B.Tech) Project

- Developed an Internet of Things (IoT) based Smart Home System. A Web App monitoring tool and mobile application for controlling the smart home devices.
- Utilized Raspberry Pi as a server for hosting the smart home system connected to the relay which then further communicates with these connected devices.

Tech Stack/Hardware: PHP, CSS, MySQL, Raspberry Pi 2 (Model B), Relay Switch

Medical Ambience App   (6-7 May 2017)

Avaya Hackathon

- Integrated *Avaya's* SDK to establish communication and networking through video and voice channels in an Android application in a three members team.
- This application aggregates and analyses patient's vitals' feed and generates a Health Score Index (HSI) for a medical staff to monitor patient's health.

Project Link: https://github.com/anuditverma/MAA-Avaya-Hackathon
Tech Stack: Android, PHP, CSS, JavaScript, *Avaya* SDK

videojs-overlay-hyperlink   (June 2018)

Published on Node Package Manager (npm)

- Developed a video.js plugin to display hyperlinks within overlays - similar to YouTube's "Annotations" feature in appearance - during video playback.
- Built upon popular video.js plugin, videojs-overlay developed by *Brightcove*.

Project Link: https://www.npmjs.com/package/videojs-overlay-hyperlink
Tech Stack: JavaScript, HTML, CSS

HackSC ShareCrumbs   (31 Jan - 2 Feb 2020)

University of Southern California's Hackathon

- Developed a Web App in a four members team, that helps to avoid food wastage by recovering surplus food from campus dining halls and restaurants.
- Created a mini eco-system in which shelter homes and NGOs can locate and navigate to such food resources for consumption.

Project Link: https://devpost.com/software/sharecrumbs
Tech Stack: PHP, MySQL, JavaScript, TomTom Maps APIs

Achievements

- ORACLE Secured **2nd Position** in Oracle's OBELabs Coding Challenge at Oracle Code event held at New Delhi on 10 May 2017.

- 5GFWD *Social Media Challenge* **Winner** with a teammate at Oulu 5GFWD Hackathon organised by *UltraHack* at the University of Oulu, Finland, June'17.

- Awarded **Platinum** Category Certification for mentorship and evaluation of projects by student teams in Smart India Hackathon 2018 Edition, organized by Government of India in March 2018.
- **2nd Position** at KORES - Color The World Painting Competition organized by Kores (India) Limited, Mumbai in 2003.
- **Winner** in Field Hockey Tournament at Zonal Level in Delhi State. Organized by Directorate of Education, Government of NCT Delhi in 2010.

Honors & Awards

- **mozilla Take Back The Web Challenge** (May 2016 - July 2016)

  Winner of the Mozilla Take Back The Web Challenge which is a university based campaign built for student leaders and mentors who are working together. They raise awareness and empower other students to make choices about how their personal information is used online on the Internet.

- **International Olympiad 46th Rank Holder** (November 2010)

  The International Informatics Olympiad (iiO), a test of competence and proficiency in computer science, is held annually at the National and International Levels, a part of the test is based on mental ability and logical reasoning.

Publications

- **A Framework of Smart Homes Connected Devices Using Internet of Things**

  Authors: Dr. M. Bala Krishna & Mr. Anudit Verma
  Published in: Contemporary Computing and Informatics (IC^{3}I), 2016 2nd International Conference on 14-17 December 2016.
  Link: http://ieeexplore.ieee.org/document/7918794/

Leadership

- **President - International Student Fellowship (ISF) Club** (Fall 2020 - Present)
  Appointed President for the International Student Fellowship Club at California State University Long Beach for the Academic Year 2020 - 21.

- **Class Representative - Computer Science & Engineering, Class of 2017**
  Elected Class Representative for Class of B.Tech (Computer Science & Engineering) Batch 2013-17 USICT, GGSIPU for the Academic Year 2016-17.

- **Speaker, GGSIPU-LUG** (August 2015 - August 2017)

  Linux User Group (GGSIPU-LUG) club is meant to guide students interested in Linux and help them to prepare core IT/CS concepts. They learn about real-world software development on Linux platform.The club aims to organize regular sessions where enthusiasts developers work together and exchange know-how in the world of Linux and Open-Source.

- **Founder, Open Source Learning Club** (September 2015 - August 2017)
  Through *Open Source Learning Club (OSLC)* educators improve courses, making their schools more effective; students find additional resources to help them succeed; independent learners enrich their lives and use the content to tackle some of our world's most difficult challenges, including sustainable development through open source technology.

Mentorship

Mentor   (15 - 17 January 2021)
Hack The North 2021

- Hack the North is Canada's biggest student-run collegiate hackathon held at the University of Waterloo with over 1,200+ attendees attending annually to build incredible projects in just 36 hours.

Mentor   (12 - 13 December 2020)
HackOff v3.0

- Hack Off 3.0 is South India's Biggest hack-a-thon, from the house of Institution of Engineering and Technology (IET) On Campus of Vellore Institute of Technology.

Mentor   (6 - 8 November 2020)
hackCBS

- hackCBS is India's largest Student-run Hackathon. With an increasingly overwhelming number of participants each year, hackCBS is a movement ignited by the students at SSCBS, Delhi.

Mentor   (14 - 16 August 2020)
Garuda Hacks

- Garuda Hacks is 36-hour Indonesia's Premier virtual hackathon powered by Blibli where the world's greatest talents compete to solve the world's most pressing challenges using technology.

Mentor   (15 - 17 May 2020)
RU Hacks

- RU Hacks is a 36 hours hackathon at Ryerson University, Toronto, Canada. RU Hacks 2020 was the fourth edition of this hackathon with participants from all over the world.

Mentor & Judge   (2 - 3 May 2020)
TOHacks

- TOHacks is a 24-hour long hackathon that is exclusive to secondary school students primarily from Toronto / the GTA. TOHacks fosters an inclusive environment that promises to embolden these students toward pursuing a career in STEM.

Mentor

CalHacks - hack:now

- hack:now is a 36-hour Hackathon powered by Cal Hacks and Postman. A global online hackathon to foster innovative and technical solutions to challenges faced around the COVID-19 pandemic.

Mentor

LA Hacks

- LA Hack is Southern California's largest hackathon with attendees over the span of three days in one of the largest intercollegiate hackathons in the US, with 1000+ participants.

Mentor & Evaluator

Smart India Hackathon

- Mentor and Evaluator in Smart India Hackathon - Software Edition. Platinum Category Evaluator Award for mentoring ideas pan India by Ministry of Human Resource Development (MHRD), Government of India.

Hackathon Team

Seasoned Ethical Hacking Hackathon Team

- Ignited_Minds, a Hackathon Team comprising of four Software Developers, Hackers, Designers, Entrepreneurs, Misfits, Rebels, Troublemakers and Dreamers from University School of Information, Communication &Technology, a premier school of Guru Gobind Singh Indraprastha University in Delhi, INDIA.

Technical Skills

System Languages:	C, C++, Java
Back End:	PHP, Python, Go
Front End:	HTML5, CSS, JavaScript
Database:	MySQL, MongoDB
Platform:	Linux, macOS, Android
Version Control:	git
Development Tools:	Flask, Node.js, Vuforia AR, Jupyter Notebook, MATLAB, Postman, docker
Designing Tools:	Adobe Illustrator, Adobe Photoshop