

MOHNISH GOPI

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Education

University of California, Davis, CA

Expected Graduation: June 2026

Bachelor of Science in Computer Science and Engineering - Dean's List

Experience

IBM Maximo E-Solutions

June 2023 – August 2023

Software Engineering Intern

Dubai, UAE

- Conducted requirements gathering and implemented a tailored **IBM Maximo Asset Management Solution** to map client's business process to IBM Maximo process workflows.
- Addressed operational gaps at Dubai Opera by creating **Custom Java Applications** that automated IoT device integration and onboarding processes, resulting in improved machinery efficiency.
- Produced a **Functional Design Document (FDD)** and **Standard Operating Procedure (SOP)** aligned with the client's business requirements.

CodeLab

January 2023 – Present

Product Manager

Davis, CA

- Developed a full-stack web application, "Profficient", using **React** that allows users to explore and rate professors from UC Davis. User ratings and reviews are stored in a back-end server created using **Node** and **MongoDB**.
- Improved team velocity by 20% by implementing **Scaled Agile Framework (SAFe)** and facilitating the adoption of Agile Practices across the development team.
- Analyzed user behavior through **heatmap visualizations** and **user surveys**, identifying key pain points and opportunities for improvement, resulting in a 20% increase in overall user satisfaction.

Google Developers Student Club

December 2022 – Present

Technical Lead - Cyber Security

Davis, CA

- Automated and analyzed data from 50+ **CTI (Cyber Threat Intelligence)** sources every week to inform chapter strategy on cybersecurity threats, identifying key industry trends.
- Led a team of seven in the creation of a **Password Manager**, featuring an intuitive UI and multiple encryption levels, aimed at enhancing cybersecurity awareness among university students.

Projects

Personal Portfolio | *React, Next.js, Tailwind CSS, Vercel* [Git](#) | [Portfolio](#)

2023

- Designed and launched a captivating portfolio website, incorporating smooth animations and optimal performance for a compelling showcase of my web development journey, skills, and passion.

Profficient | *React, Express.js, Node.js, MongoDB, GoogleOauth, Bootstrap CSS* [Git](#)

2023

- A web-based platform dedicated to providing UC Davis students with a time-saving and effortless experience in viewing and reviewing professors. Profficient eliminates the need for sifting through outdated websites and forums.

Engima Coin | *Python, SQLite, Figma, Flask, Jinja, HTML5, CSS3* [Git](#)

2022

- Implemented a blockchain based cryptocurrency using RSA encryption that enables cryptomining and crypto transactions.

Essence: Sentiment analysis | *Python, Streamlit, TextBlob, VADER Sentiment, Matplotlib* [Git](#)

2022

- Built an innovative Python-based sentiment analysis app using Streamlit. Leveraged TextBlob and VADER Sentiment libraries to accurately reveal emotional insights in user text inputs.

Inside Admissions | *C++, Object-Oriented, Console* [Git](#)

2023

- A console-based dashboard for UC Davis tour guides, streamlining tour management and administrative tasks with efficient tour scheduling and tracking capabilities.

Skills and Certifications

Programming Languages: Python, C/C++, HTML, CSS, JavaScript, Typescript, Java, SQL, Kotlin, Dart, Swift, Ruby

Frameworks/Tools: TensorFlow, PyTorch, Firebase, Google Oauth, AWS, MongoDB, Express, Node.js, React, Vue.js, Next.js, Postgres, API, Flask, IBM Maximo, Flutter, React Native, Xcode, Figma, Jira, Adobe XD, Adobe Suite, Click Up

Programs and Courses: Virtual Experiences (**Goldman Sachs, Commonwealth Bank, Accenture & Skyscanner**), CS 50 Harvard, AI for Everyone (Intel AI Aware 2021), Getting Started with Python (University of Michigan), Intro to AI (Deeplearning), Probability and Data with R (Duke University).

Awards & Accolades: Dean's Honor List, GDSC (Best Presentation award, individual standout award, Best advanced project award, Best Beginner Project award), Best in Leveraging of Data/Computation @ 2023 AIFS Apps for Food and Ag Hackathon, x2 VIRTUOSO AWARD, 5 x Best Speaker @ Toastmasters International.