

Sameeksha Mahesh

📍 Davis, CA | ✉ sameeksham091102@gmail.com | ☎ +1 (530) 760-0509 | [LinkedIn](#) | [GitHub](#)

MS Computer Science student at UC Davis with experience in full-stack development, REST APIs, and machine learning. Skilled in Java, Spring Boot, Python, and secure system design. Seeking a Graduate Engineering Intern role to apply technical expertise and contributing to innovative software solutions.

EDUCATION

- **M.S in Computer Science** - University of California, Davis | Sep 2025 – Present
- **B.E. in Computer Science & Engineering** Dayananda Sagar College of Engineering, India (2020 – 2024) | **CGPA: 9.38/10**

WORK EXPERIENCE

Software Development Engineer – Perfios Software Solutions Pvt Ltd | Bengaluru, India | Apr 2024 – Sep 2025

- Applied object-oriented design principles and efficient data structures in REST API development, reducing response latency by **20%**.
- Built a bank identification system featuring logo and text recognition, integrated with **OCR and Elasticsearch (ELK)** to enhance recognition accuracy and search performance.
- Delivered a **full-stack invoicing tool** using Java, Spring Boot, and JavaScript, featuring **role-based access control (RBAC)**, and deployed to production.
- Implemented **AES-256 encryption** for financial records, ensuring compliance with data security standards.
- Enhanced monitoring and reporting by adding new ELK fields and automating SQL-driven report generation, improving analytics and data accessibility for stakeholders.
- Collaborated using **Docker, Git, and CI/CD pipelines**, ensuring smooth development and deployment workflows.
- Gained experience in software design, testing, and troubleshooting in a multidisciplinary environment.

NSL HUB – Brane Enterprises Pvt. Ltd | Bengaluru, India | Jun 2022 – Jan 2023

- Automated API workflows in Postman, boosting reliability.
- Partnered with developers to optimize client-facing no-code platforms.
- Developed documentation to support automation workflows and project deliverables.

TECHNICAL SKILLS

- Languages: Java, C, Python3, Perl, JavaScript
- Frameworks/Technologies: Spring Boot, REST APIs, OCR, Blockchain (Ethereum, Smart Contracts), Machine Learning, NumPy, pandas, matplotlib, Elasticsearch, RBAC
- Tools and Platforms: Git, VS Code, Jupyter Notebooks, Postman
- Databases: SQL, MySQL, MongoDB

ACADEMIC PROJECTS

- **Fake News Detection System** - Developed a full-stack web app (Java backend, JS frontend) using NLP and ML (SVM, Random Forest, Naive Bayes) to classify news credibility, achieving 92% accuracy. Utilized Python libraries for data preprocessing and model evaluation.
- **Blockchain E-Voting System**: Implemented a secure voting platform with Ethereum blockchain and MetaMask, ensuring tamper-proof integrity.
- **Secure Healthcare Portal**: Built a patient data portal with role-based access control, two-factor authentication, and RSA-based encryption.

PUBLICATIONS

- **Security and Integrity of Healthcare Data in E-Consulting Systems**, International Conference on Computing and Intelligent Information Systems (ICCIIS). Link - [ICCIIS](#)
- **A Survey of Deep Learning Object Detection Modules for Business Intelligence Applications**, International Journal for Multidisciplinary Research (IJFMR). Link - [IJFMR](#)