

# Aayushi Sadani

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## EDUCATION

### University Of California Irvine

Irvine, CA

Masters in Computer Software Engineering | 4.0/4.0

Sept. 2025 - Present

**Courses:** Data Structures, Algorithms, Network Programming, Concurrent Programming, Advanced Programming

### Vellore Institute of Technology

Bhopal, India

Bachelor of Technology in Computer Science | 8.37/10

July 2019 - May, 2023

**Courses:** Operating Systems, Data Structures and Algorithms, Secure Software Engineering, Computer Networks

## TECHNICAL SKILLS

**Languages & Frameworks:** Java, Python, C++, SQL, HTML, CSS, JavaScript, Spring Boot, Hibernate, JPA, REST APIs, Maven, Activiti (BPMN), Microservices

**Developer Tools & Technologies:** AWS, Docker, Kubernetes, MySQL, PostgreSQL, MongoDB, Redis, Git, GitHub, Jira, Kibana, Figma

## EXPERIENCE

### Software Engineer-II

July 2023 – Present

Bajaj Finserv Direct Limited (BFDL)

Pune, India

- Built and deployed scalable **Spring Boot microservices** with **REST API** integrations for loan policy issuance, leveraging **PostgreSQL** and **MongoDB** for policy and customer data storage, improving throughput by **40%** and handling over **10 million** policy requests yearly.
- Refactored legacy document flow to **HTML-to-PDF** rendering, cutting generation time by **50%** and file size by **70%**.
- Developed a **scalable**, tested Account Aggregator microservice with **layered architecture** in 2 months to securely retrieve financial data for over **250,000** users.
- Integrated Digitap's PAN verification API to streamline **KYC** and reduce verification time by **40%**.
- Enhanced personal loan **UX** by redesigning **multi-page** flows to **dynamic single-page** journeys using Activiti BPMN, boosting completions by **30%**.
- Optimized performance with **Redis caching**, **asynchronous request handling**, and optimized API latency by **50%**.
- Strengthened system observability with **structured JSON logging**, robust **exception handling**, and **secure role-based API authorization** improving incident resolution time by **35%**.

### Software Engineer Intern | Awarded a full-time offer

Jan. 2023 - June 2023

Bajaj Finserv Direct Limited (BFDL)

Pune, India

- Integrated **Elasticsearch** for intelligent KYC text matching, improving search accuracy by **30%**, and optimized the personal loan journey by reducing load time from **12s** to **5s** while onboarding multiple loan partners for better UX.
- Participated in **Agile sprints**, completing **90%+** of assigned story points consistently and **CI/CD** automation using **Docker** for consistent environment management across dev and prod.
- Developed scalable, event-driven microservice communication with **AWS SNS** and **SQS** improving system resiliency by **45%**.
- Implemented **JUnit** test coverage for core services, increasing test reliability and reducing production bugs by **25%**.

## PROJECTS

### Campus Cravings 🍔

Oct. 2022 – Dec. 2022

Java, Spring Boot, PostgreSQL, HTML, CSS, JavaScript

Bhopal, India

- Built a **full-stack** food ordering platform using **Java**, **Spring Boot**, **PostgreSQL** and **JavaScript**, used by over **100** students and staff per day with distinct student/employee flows.
- Built **RESTful APIs** for order and menu management using **layered architecture**, **JPA/Hibernate**.
- Reduced average order submission time by **40%** by implementing dynamic frontend menus and real-time API interactions.
- Developed a secure login flow with role-based access control for employees managing order queues.

### Keylogger

Jan. 2022 – June 2022

Python, SQLite, PyCharm

Bhopal, India

- Collaborated in a team of four to develop a Python-based keylogger with keystroke logging, system info capture, clipboard access, microphone and screenshot monitoring, using **SQLite** for local storage and **PyCharm** for debugging.

## ACHIEVEMENTS

**Awards:** 'Performer of the Month' & 'Best Performer of the Team' at Bajaj Finserv Direct Limited

**Leadership/Team Work:** Design Lead — Microsoft Student Ambassador Club(VIT), VIT Bhopal Placement Cell, Core team member — VIT Bhopal Cyber Security Club