VENKATA SAI REDDY MARAM

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EDUCATION

Masters in Computer Science & Information Systems. 08/2024 – present │ Chicago, United States
Elmhurst University 🔗

Electronics and Communications Engineering 07/2018 – 07/2022 │ Bengaluru, india
Amrita School of Engineering

SKILLS

programming: Java, Python, HTML5, CSS, Git
Cloud: AWS EC2
Data base: MYSQL, Mongo DB
Frameworks: Hibernate, Spring Boot, Spring Security
Testing: Junit, Mockito

PROFESSIONAL EXPERIENCE

Backend Java Developer | Cognizant 03/2023 – 02/2024 │ Chennai, India

- Developed and maintained 12+ RESTful APIs using Java 8 and Spring Boot, reducing manual processing time by 35% for internal workflows.
- Improved API response time by 40% by optimizing database queries and implementing effective Hibernate caching strategies.
- Designed and implemented business logic layers using Spring Boot, leveraging Spring Data JPA and Hibernate for seamless database interactions.
- Integrated Spring Security to enable secure user authentication and enforce role-based access control. Built and tested APIs for portfolio data management and other internal application modules.
- Worked with MySQL and DynamoDB to perform CRUD operations and manage persistent data storage.
- Consumed and exposed REST APIs; utilized Postman and Swagger for thorough testing and clear API documentation.
- Employed Maven for efficient dependency management and used Log4j for consistent application logging.
- Deployed backend services on AWS EC2 and monitored application logs and performance using CloudWatch.
- Collaborated with frontend developers to integrate backend services with Angular-based web applications.
- Partnered cross-functionally with frontend and DevOps teams to deliver 2 major product releases on schedule.

Environment: Java 8, Spring Boot, REST APIs, Hibernate, MySQL, DynamoDB, Spring Security, Swagger, Postman, Maven, Log4j, AWS EC2, JUnit, Mockito, Git, Agile Scrum.

Intern | Cognizant 10/2022 – 01/2023 │ India

- Assisted in developing REST APIs using Java 8 and Spring Boot
- Helped write backend logic with Spring Data JPA and Hibernate
- Used Postman for testing and Swagger for API documentation
- Worked on CRUD operations using MySQL
- Gained exposure to Spring Security and AWS EC2
- Participated in Agile meetings and supported sprint tasks

PROJECTS

AI-Powered Academic Integrity Monitoring System 04/2025 – present

- Created a Chrome Extension using JavaScript to block copy, paste, and right-click actions during assignments ✅
- Implemented real-time tab monitoring to detect AI platforms like ChatGPT and Bard ✅
- Added time anomaly tracking to flag unusually fast or suspicious answer patterns
- Integrated GPTZero API to analyze and detect AI-generated student responses
- Built an admin dashboard for instructors to view flagged submissions and violation history

Environment: JavaScript, HTML, CSS, Chrome Extension API, Node.js, GPTZero API, Firebase, MongoDB