

Shashwat Srivastava

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EDUCATION

JAYPEE UNIVERSITY OF INFORMATION TECHNOLOGY

B.Tech in Information Technology
09/2021 - 06/2025 | Solan, IN
Cum. GPA: 8.8/10.0

COURSEWORK

Web Technology
Operating Systems
Computer Networks
Data Structures and Algorithms
Object Oriented Programming
Database Management Systems

ACHIEVEMENTS

Rated (1704) at GeeksForGeeks
Rated (1648) at Leetcode
Zone Finalist - Tata Crucible '24
2/40 - Web-O-Fiesta
1/180 - Hackathon'22
2/134 - Expanse Hackathon
1/30 - Suits at Startup Mania
2/35 - IEEE Impractical Ideation

SKILLS

PROGRAMMING

• Java • C++ • Python • Javascript
• SQL • PostgreSQL • Restful APIs
• HTML • CSS • NoSQL

TECHNOLOGIES

• SpringBoot • Hibernate • Flyway
• JPA • Kafka • OpenAPI • Lombok
• ReactJS • NodeJS • ExpressJS
• FastAPI • Jupyter • MaterialUI
• Linux • YAML • Kafka • Zookeeper
• Docker • MongoDB

TOOLS/PLATFORMS

• GitHub • JIRA • Grafana
• NewRelic • Temporal • AWS
• argoCD • Sentry

LEADERSHIP

TIEDC - ECELL

| Head of Corporate Relations

ACM - JUIT

| Operations Manager

EXPERIENCE

ATOMICWORK | SDE INTERN (BACKEND)

ON-SITE | BANGALORE, IN | 01/2025 - PRESENT

- Optimized cross-region data consistency while tenant creation, boosting data reliability by **30%** using **SpringBoot**, **PostgreSQL**, and **GoLang**.
- Developed an async Sandbox migration service with conflict detection, monitoring and comparison modules; reduced manual intervention by **60%**.
- Enhanced role-based access control (RBAC) with **SpringBoot** & **JPA**, supporting **1000+** users, improving data integrity by **15%**.
- Revamped admin workflows by consolidating multi-environment access & streamlining the Admin app, cutting login time by **50%** & improving admin ops.
- Implemented robust error handling reducing support tickets by **20%** & zero-downtime data migrations using **Hibernate**, **Flyway**, & monitoring with **Grafana**, **argoCD**, **Hasura**, & **Sentry**, increasing uptime.

CULINDA INC. | BACKEND ENGINEER INTERN

HYBRID | HYDERABAD, IN | 06/2024 - 01/2025

- Built **MagixDB** from scratch, created an NLP-driven workflow with OpenAI to query databases, integrating MongoDB, MSSQL & MySQL.
- Developed an executable of MagixDB using **ElectronJS**, **FastAPI**, and integrated with **Vite / React** for optimized module bundling and hot reloading.

DEV2PROD | SOFTWARE DEVELOPER INTERN

REMOTE | HYDERABAD, IN | 10/2023 - 05/2024

- Built **RecRoid** from scratch. Integrated HumeAI, Supabase & Browserless.
- Built the 'Career Advice' & 'Live Interview' features for both text & video
- Implemented **FastAPI** backend with **ReactJS** frontend while improving the code quality by **38%**. Wrote **30+** APIs for backend.

AMRITA VISHWA VIDYAPEETHAM | MACHINE LEARNING INTERN

ON-SITE | KOCHI, IN | 06/2023 - 07/2023

- Performed Data Collection using **BeautifulSoup**, developed models using **Python**, **Tensorflow**, **scikit-learn** on a project collaborating with Amrita Hospital and WNA-Amrita which gained an impact factor of 5.1.

PROJECTS

VULNERABILITY MONITORING | AUTOMATION, SLACK, PYTHON

- Implemented real-time vulnerability alerts from NVD via **Slack API**, built scalable APIs, and automated scans with **Celery** Cron jobs.
- Provided on-demand and scheduled scans using **FastAPI**, along with **callback** routes for faster and more efficient interaction.

JUIT DISPENSARY SYSTEM | MERN STACK

- Automated JUIT Dispensary operations with **Webkiosk-JUIT** Restful API, integrating digital health cards, **WebRTC**, Google Sheets API, and **MongoDB**.
- Built a user-friendly interface using **NodeJS**, **React**, and **Socket.IO**.

LIBRARY MANAGEMENT BACKEND | FASTAPI, MONGODB

- Developed and deployed a basic CRUD LMS API using **FastAPI** and **MongoDB Atlas**, ensuring adherence to RESTful API specifications.
- Deployed the application to a cloud platform, optimizing performance and scalability using **Docker** and cloud hosting on **Render**.