AYUSH SHARMA

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EDUCATION

BTech in Computer Science Engineering, GIET University, Gunupur	2020 - 2024
Intermediate (Science), St Paul's School, Rourkela	2019 - 2020
Matriculation (Science), St Paul's School, Rourkela	2017 - 2018

SKILLS

Languages	Java, Python, Javascript
Frameworks	Spring Boot, Express.js, React.js, Bootstrap
Databases	SQL, MongoDB, Redis
DevOps	Kubernetes, Docker, Jenkins
Tools	Postman, Git, Linux

EXPERIENCE

Backend & Devops — Feb 2024 - Aug 2024
Zscaler Inc — *Internship - Bangalore, India*

- Implemented local backend setup and developed API using spring boot for PDF report downloads, **increasing development efficiency by 30% and improving data accessibility**.
- Designed custom WebClient Builder with retry mechanism, **reducing system failures by 40%** and enhancing overall stability across multiple services.
- Achieved **76% code coverage for critical services** through unit testing and **resolved 10+ complex technical issues, reducing system downtime by 25%**.
- Implemented product-specific admin configurations and resolved production issues, **resulting in a 35% increase in system efficiency** and user satisfaction.

Backend & IoT — April 2023 - Jul 2023
XS WorldWide — *Internship - Remote*

- Engineered a robust backend system for exhibition user experiences using Node.js, Express.js, and MongoDB, **improving user engagement by 40% and reducing load times by 25%**.
- Successfully deployed and optimized the backend on AWS EC2 using Nginx, **resulting in 99.9% uptime** and a **30% increase in concurrent user capacity**.
- Implemented innovative IoT solutions leveraging NodeMCU and RFID technologies, enhancing interactive exhibit features and **increasing visitor interactions by 50%**.

PROJECTS

- **GIETU official app** Developed and deployed a reliable, high-performance RESTful back-end for the university's official mobile app, **serving over 3000 students and faculty**. Enabled tracking of attendance, marks, university buses, and more on an on-premises server. link
- **Vehicle tracking system** Developed an application for **live tracking the university's buses**, including a hardware device with an installed SIM card. Engineered the backend using NodeJs and **secured a patent for the solution**. link

CERTIFICATIONS

- HTML, CSS, JavaScript, React - Online Certification Course. link
- Spring Boot 3: Learn Spring 6, Spring Core, Spring REST, Spring MVC, Spring Security, Thymeleaf, JPA, Hibernate, MySQL. link
- The Joy of Computing using Python - Course - NPTEL. link