Ayush Kumar Jha

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Summary

Passionate Software Engineer with experience in rule-based processing, backend development, and full-stack applications. Skilled in Java, Spring Boot, Drools, and Angular. Adept at designing scalable systems and optimizing workflows for efficiency.

Experience

FSS (Financial Software and Systems), Chennai
Trainee Software Engineer   *Dec 2024 - Present*

- Developed and optimized rule-based logic using **Drools Rule Language (DRL)** for payment processing.
- Worked on **GRL to DRL conversion**, enhancing rule-based decision-making systems.
- Integrated business logic into payment gateways, improving transaction validations.

Aqmenz Automation Pvt. Ltd.   *AI/ML Intern*
Aug 2023 - Oct 2023

- Built a machine learning model to predict medical insurance costs using **Random Forest, Gradient Boosting**.
- Helped optimize cost-effective medical solutions through data-driven analysis.

Education

SJB Institute of Technology, Bangalore *B.Tech - Computer Science*   *2020 - 2024*

- CGPA: 7.50

GGPS, Jharkhand   *CBSE XII*   *2019 - 2020*

- Percentage: 68.4%

De Nobili School, Jharkhand *ICSE X 2017 - 2018*

- Percentage: 80.0%

Skills

Languages: Java, HTML, CSS, DRL
Backend: Spring Boot, Spring Security, LDAP, JWT
Frontend: Angular, Angular Material, Tailwind CSS
Tools: Kafka, Redis, MySQL, SQLite, Git, VSCode, IntelliJ, Jupyter Notebook
Technologies: Podman Desktop, Redis Insight
Soft Skills: Leadership, Teamwork, Communication

Projects

Student Library Management System

- Designed a library system with **real-time messaging** using Kafka and caching with Redis.
- **Tech Stack:** Spring Boot 3, Angular, Kafka, Redis.

Online Bookstore Management

- Created an e-commerce system with cart and payment integration.
- **Tech Stack:** HTML, CSS, PHP, MySQL, XAMPP.

Motion Detection for Storage Optimization

- Built a **CCTV storage optimization** system using OpenCV.
- Reduced storage requirements by **70%** using motion-based recording.

Certifications

- **Soft Skills Certification** - TCS ION
- **Career Edge - Young Professional** - TCS ION
- **HTML, CSS, Python, MySQL** - LetsUpgrade

Achievements

- Qualified for **Interschool Maths Olympiad** (Class 8)
- Participated in **Interschool Extempore**