PRAJJWAL RATHORE

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EDUCATION

IMS Engineering College   Ghaziabad, Uttar Pradesh
B.Tech in Computer Science & Engineering (CSE) – *GPA: 7.83/10*   *Aug 2024*
U.P. Kirana Seva Samiti Vidhyalaya   Kanpur, Uttar Pradesh
Senior Secondary Examinations – Percentage: 91.5   *May 2019*

EXPERIENCE

Associate Software Engineer   *Sept 2024 - present*
Tech Mahindra Ltd.   Bengaluru, Karnataka

- Collaborated on an Agile project, reducing delivery time by 20% through efficient sprint and stand-up management.
- Automated repetitive tasks with Python scripts, boosting team efficiency by 15% and ensuring workflow consistency.
- Managed Linux servers and executed 100+ shell scripts to streamline operations and ensure high uptime throughout the project.
- Conducted 50+ code reviews, improving code quality through collaborative debugging and task allocation.

SKILLS

Languages/Frameworks: Java (Spring Boot, Hibernate, JUnit), Python, C++, SQL, Python Scripting
Developer Tools: Git/Github, Postman, Docker, Kubernetes
Others: Microservices, Shell Scripting, Linux, RDMS, Distributed Computing, Bash Scripting, System Design (HLD, LLD)

PROJECTS

CampusEase: An Integrated ERP Solution | *Java, JavaEE* | *link*   *Aug 2024*
- Optimized UI-backend communication with Java Servlets, reducing data processing time by 30% and ensuring scalability.
- Ensured 100% uptime using PostgreSQL and scaled the system for future integrations.
- Collaborated with a team of 4 to design a user-friendly interface, boosting engagement by 50% and onboarding speed by 20%.

Hillsafe: Weather forecasting & Disaster Alarm System | *Java, JavaEE, XML* | *link*   *Dec 2023*
- Delivered real-time weather updates with 100% accuracy for 1,000+ users using Open Weather Map API.
- Predicted hazards with 95% accuracy in mountainous regions by leveraging Decision Trees and K-Means Clustering algorithms.
- Secured APIs with encryption, rate-limiting, and OAuth 2.0, ensuring data integrity and preventing unauthorized access.
- Analyzed disaster data trends to propose 2 key safety measures for emergency preparedness.

Flixify - Personalized Movie Recommendation System | *ReactJs, Redux, OpenAI GPT* | *link*   *Jan 2023*
- Developed a personalized movie recommendation system powered by OpenAI's GPT, driving increased user engagement through real-time, customized suggestions based on individual preferences.
- Designed a responsive user interface with ReactJS and Tailwind CSS, optimizing user experience and reducing load times by 20%.
- Integrated TMDB API for real-time movie data, enhancing recommendation relevance and accuracy, leading to a 20% increase in user engagement based on feedback and interaction metrics.

Money Minder - Finance Management System | *JDBC, MySql* | *link*   *Jan 2023*
- Built a secure finance app with features for expense tracking, budgeting, and goal setting, achieving 90-95% data security.
- Increased usability by 10% through intuitive JavaFX UI and seamless database integration.
- Delivered accurate backend logic for expense tracking, budget calculations, and goal monitoring with 100% desired outcomes.

HONORS AND ACHIEVEMENTS

- **First Runner-Up Team** at the competitive COER Hackathon with over 70+ teams.
- Solved **1000+ coding problems** across platforms like Leetcode, InterviewBit showcasing strong logical and analytical aptitude.
- Lead a 15 member team at Runtime Hacker, proposing 5 impactful project ideas to address real-world challenges.
- Achieved a top 10% rank in a national-level coding competition, demonstrating strong problem-solving and programming skills.