ASHISH KUMAR DUBEY

Prayagraj (211004)

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Summary

Final-year BCA student and solution-oriented Software Developer with a strong foundation in full-stack technologies and object-oriented programming. Practical experience in building scalable web applications using Java, Spring Boot, and React. Active open-source contributor and hackathon finalist with a focus on writing clean, efficient, and testable code.

Education

United University   **Sep. 2023 – May 2026**
Bachelor of Computer Application - CGPA 8.88   *Prayagraj, Uttar Pradesh*

Kendriya Vidyalaya   **Apr. 2009 – Jun. 2022**
Senior Secondary - Scored 84.4%   *Prayagraj, Uttar Pradesh*

Experience

Prodesk IT & Engineering Services   **June 2025 – July 2025**
Software Development Intern (Backend Focus)   *Remote*
- Contributed to the software development lifecycle (SDLC) by building backend services using **Java** and **Spring Boot**.
- Designed and tested **RESTful APIs** to handle CRUD operations, ensuring data integrity with **JPA/Hibernate**.
- Collaborated on code reviews and learned industry standards for debugging and dependency management with **Maven**.

Effervescence IIIT Allahabad   **June 2024 – July 2024**
Python Development Intern   *Remote*
- Developed a data-driven Movie Recommendation engine utilizing **Python**, Pandas, and NumPy.
- Implemented algorithmic logic for data preprocessing and optimized scripts for deployment efficiency.

Projects

EcoShield | *Full Stack Web App (Spring Boot, React, PostgreSQL)*
- Engineered a full-stack application to monitor environmental data, integrating a **React** with a **Spring Boot**.
- Implemented **Spring Security** with **JWT** authentication to secure user data and API endpoints.
- Designed a normalized relational database schema using **PostgreSQL** to ensure efficient data storage and retrieval.
- Integrated third-party REST APIs to fetch real-time weather metrics, ensuring seamless data synchronization.

Movie Recommendation System | *Machine Learning (Python, Pandas)*
- Built a content-based recommendation system using collaborative filtering algorithms and Python libraries.
- Processed complex datasets to generate accurate user suggestions, focusing on algorithmic efficiency.

Technical Skills

Languages: Java (Proficient), Python, JavaScript, SQL, HTML/CSS
Core Concepts: Data Structures & Algorithms (DSA), OOPs, DBMS, Operating Systems, SDLC
Frameworks: Spring Boot, Spring Security, React.js, Hibernate, Tailwind CSS
Databases: PostgreSQL, MySQL, MongoDB
Tools & DevOps: Git/GitHub, Docker, Maven, Postman, IntelliJ IDEA, VS Code

Achievements & Certifications

- **Certifications:** Oracle OCI Foundations Associate & Java Foundations (2025), J.P. Morgan Software Engineering Job Simulation (2025), Java Developer Course (Telusko).
- **Open Source:** Achieved **Super Contributor** status in **Hacktoberfest 2025** by contributing valid Pull Requests (PRs) to global open-source repositories.
- **Hackathons & Competitions:**
  - Secured **Top 5 Finalist** position at **HackStrom**: Deployed EcoShield v3.5 with updated features.
  - Achieved **Top 7 Rank** at UU Hackathon (HackDiwas) for developing the initial full-stack prototype of EcoShield.
  - Built an AI-based HSRP Number Plate Scanner at the **IIT Delhi Hackathon (Techgyan)**.