Ajay Singh

📞 7042279315 ✉ asm16092003@gmail.com in ajays16 ⌨ AjaySingh-a 🌐 ajay-singh-portfolio-chi.vercel.app/

Summary

B.Tech Computer Science student with strong skills in Data Structures, Algorithms, and Full-Stack Development. Proficient in Java, Python, and modern web/mobile frameworks. Passionate about building scalable applications.

Education

Bachelor of Technology in Computer Science   2021 – 2025
Noida Institute of Engineering and Technology

Senior Secondary Education   2019 – 2021
Kendriya Vidyalaya – PCM with Computer Science

Experience

Software Developer — Adbook Communication Pvt. Ltd.   *May 2025 – Present*
* Contributing to the MVP build of OOTER using Java Spring Boot and PostgreSQL for backend development.
* Assisting in React Native-based frontend integration to support mobile-first user interactions.
* Supporting API design, role-based authentication, and early-stage feature workflows.
* Involved in product planning, tech discussions, and roadmap alignment tied to equity milestones.

Web Tech Intern, Vardhman Auto Industries, New Delhi   *Feb 2025 – May 2025*
* Developed and managed a car accessories website using React.js, Node.js, and REST APIs, boosting user engagement by 30%.
* Managed regular updates and product listings, leading to 20% faster customer query resolution.
* Led cross-functional collaboration and handled technical responsibilities in a dynamic startup environment.
* Supported the on-time execution of new projects by streamlining incoming requests and task prioritization

Projects

Capsool – Full-Stack Pharmacy App (React Native, Spring Boot, MySQL)
* Developed a real-time bidding system using WebSockets; reduced response delay by 40%.
* Built a scalable app using React Native (TypeScript) and Redux Toolkit for efficient state handling.
* Integrated JWT authentication, Firebase push notifications, and Google Maps API for live tracking.

Sachify - Fake News Detector
* Developed Sachify, a Fake News Detection app using React.js(frontend) and Django REST Framework(backend).
* Implemented TF-IDF and Logistic Regression for real-time news classification as Real or Fake.
* Added CSV file upload for batch testing and created a News Quiz feature for users to practice fake news detection.
* Built an interactive UI with React.js, integrated with DRF APIs for real-time news monitoring and title-based checking.

Personal Finance Management System
* Built full-stack finance tracker with Spring Boot and MySQL, implementing efficient CRUD operations.
* Designed RESTful APIs and implemented secure user authentication with Spring Security.
* Integrated data visualization features to track financial trends using Chart.js.

Technical Skills

Languages: Java, Python, JavaScript, TypeScript, SQL
Frameworks & Databases: Spring Boot, React Native, React.js, Node.js, Tailwind CSS, MongoDB, MySQL
Tools: Git/GitHub, IntelliJ IDEA, VS Code
Libraries: pandas, NumPy, Matplotlib

Certifications

IBM: Introduction to Artificial Intelligence
University of Michigan: Python Basics
IBM: Python for Data Science, AI & Development

Achievements

* Walmart USA Advanced Software Engineering Virtual Experience Program
* JPMorgan Chase & Co Software Engineering