Ajay Singh

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Summary

Software Developer with strong problem-solving skills in Data Structures & Algorithms and hands-on experience in scalable full-stack application development. Skilled in React Native, Spring Boot, PostgreSQL, Supabase, and modern cloud platforms, focused on building secure, high-performance cross-platform solutions.

Education

Bachelor of Technology in Computer Science(Specialization in Artificial Intelligence)   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 to enhance user engagement.
* Managed regular updates and product listings, leading to 20
* 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

OOTER – Outdoor Advertising Marketplace App – React Native ● TypeScript ● Spring Boot
* Built cross-platform marketplace with React Native/Expo frontend and Spring Boot backend deployed on Render.
* Designed multi-vendor architecture with real-time bookings, dynamic pricing, commission logic, and referral rewards.
* Integrated Supabase DB, Cloudinary for media, Razorpay payments, and Google Maps API for location discovery.
* Implemented JWT security, microservices with caching, vendor verification, notifications, and offline mobile support.

Capsool – Full-Stack Pharmacy App - React Native ● Spring Boot ● MySQL)
* Developed a real-time bidding system using WebSockets; reduced the response delay.
* 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 – React.js ● Django REST ● TF-IDF ● Logistic Regression
* Built a fake news classifier using TF-IDF and Logistic Regression with real-time prediction via Django REST APIs.
* Implemented TF-IDF and Logistic Regression for real-time fake news classification and built a user-facing quiz module to demonstrate NLP-based model predictions.
* Developed a responsive React.js frontend with CSV upload support for bulk testing and live headline validation.

Technical Skills

Languages: Java, Python, JavaScript, TypeScript, SQL
Frameworks & Databases: Spring Boot, React Native, React.js, Node.js, Tailwind CSS, MongoDB, MySQL
Tools & Platforms: Vertex AI, Cloud run, IAM, Vertex AI Agent Builder, Git/GitHub, scikit-learn, VSCode
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