

Ajay Singh

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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

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

Artificial Intelligence Intern, Skolar

Aug 2023 – Oct 2023

- * Improved model accuracy by 15% through advanced data preprocessing and feature engineering.
 - * Built and evaluated machine learning models—including Decision Trees, Random Forests, and Neural Networks—using Python.
 - * Delivered a recommendation system with 90% satisfaction rate during user testing phase.
 - * Collaborated with cross-functional teams to meet all project milestones on schedule.
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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.
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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