

SANCHIT NAMDEO

JAVA FULL-STACK DEVELOPER

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SUMMARY

Performance-driven software engineer specializing in scalable enterprise architectures and stateful user interfaces. Proficient in clean MVC patterns, object-oriented system design, and full-stack deployment. Academic researcher and active problem-solver with a strong background in execution logic tracking and API-first development.

EDUCATION

B.Tech in Computer Science & Engineering (CSE)

2024 – 2027

IEC College of Engineering (IEC), Greater Noida
CGPA: 6.3

SKILLS

Programming Languages: Java (Core & Advanced), Python, C/C++, JavaScript (ES6+)

Frameworks & Tools: Spring Boot, React.js, Flask, RESTful APIs, Git/GitHub, Maven, Agile, JIRA

Databases & Cloud: MySQL, MongoDB, Relational Schema Normalization

Core Computer Science: Data Structures & Algorithms (DSA), Object-Oriented Programming (OOPs), DBMS, Operating Systems, SDLC

EXPERIENCE

Software Engineer Intern | [YUGA YATRA RETAIL \(OPC\) PVT. LTD.](#)

Apr 2026 – Jun 2026

Remote

- Engineered secure, transactional payment gateway microservices using Spring Boot and Java, optimizing API endpoint efficiency and implementing secure AES data encryption.
- Developed high-throughput RESTful APIs for enterprise business operations including session-managed user authorization, automated catalog updates, and optimized relational mappings.
- Designed a dynamic frontend using React.js and CSS Grid, reducing initial page rendering latency by 25% and maintaining robust version control workflows through Git branching.

Technical Trainee (Robotics & Embedded Systems)

Apr 2024 – Jul 2024

Technologydiox Edusearch & Alliedcent Technologies, Noida, India

- Completed a rigorous technical training program centered on Robotics Architecture, circuit simulation, and modular hardware integration layout patterns.
- Programmed Arduino microcontrollers using C/C++ to parse sensory data inputs, manage hardware actuators, and automate physical system response times.
- Diagnosed complex system constraints through granular hardware-software interfacing and embedded system debugging techniques to optimize performance.

PROJECTS

- Rishtawala – Java Full-Stack Matrimonial Application:** Architected an end-to-end matchmaking platform utilizing Java and Spring Boot for backend services and asynchronous REST API handlers. Designed a normalized MySQL schema to effectively index user preference states, decreasing query search latency by 30%. Tech: Java, Spring Boot, React.js, MySQL, Git. [[Live Demo](#)]
- Amazon Homepage Clone:** Engineered a modular e-commerce interface replicating complex catalog grids using Vanilla JavaScript and CSS3. Features runtime UI cart counter calculation logic and integrated dynamic product mapping via third-party mock REST endpoint configurations. Tech: HTML5, CSS3, JavaScript, REST API Integration [[Live Demo](#)]
- Netflix Landing Page Clone:** Developed a pixel-perfect front-end clone optimizing cross-browser component rendering patterns. Implemented stateful accordion systems via localized JavaScript handlers and structured responsive flex layout hierarchies. Tech: HTML5, CSS3, JavaScript [[Live Demo](#)]
- Web-Based File Management System:** Built a secure multi-format file cloud application with structured directory tracking logic. Implemented a Python Flask application layer paired with secure file system storage mapping layers to handle large file uploads seamlessly. Tech: Python, Flask, JavaScript, HTML5, CSS3 [[Live Demo](#)]

RESEARCH

- Smart Travel Tracker: Data-Driven Tourism Ecosystem:** Co-developed a research architecture for a real-time smart travel tracker optimized for administrative workflow visibility, compiled and submitted to A.P.J. Abdul Kalam Technical University (AKTU), Lucknow.
- Formulated alternative mechanisms transitioning from manual data collection frameworks into automated pipelines utilizing digital network state intelligence exhaust analytics.
- Conceptualized predictive modeling infrastructures for mass crowd monitoring systems by processing seasonal footprint trend analysis metrics using Machine Learning paradigms.
- Evaluated data security patterns in modern ride-sharing frameworks, analyzing GPS-driven real-time handshake validation protocols for solo passenger safety vectors.

ACHIEVEMENTS & PROFILES

- Project Leadership:** Successfully led a multi-member agile team to develop the "Smart Travel Tracker" system, directing full lifecycle development from analytical charting to final documentation.
- Analytical Thinking:** Secured high standings in competitive chess tournaments, showcasing exceptional strategic planning, risk assessment, and troubleshooting under time constraints.
- Competitive Coding Profiles:** Solved 500+ complex algorithmic data structures and algorithms problems across LeetCode, GeeksforGeeks, and [[takeuforward](#)] engineering tracks.