

SOURAV KUMAR

Software / Full Stack Developer

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Education

Birla Institute of Technology, Ranchi

Master of Computer Applications (MCA)

2024 – 2026

CGPA: 7.6 / 10

Guru Gobind Singh Indraprastha University, New Delhi

Bachelor of Computer Applications (BCA)

2021 – 2024

CGPA: 8.9 / 10

Skills

Programming Languages: Java, Python, JavaScript, SQL

Frameworks & Libraries: React.js, Redux, Node.js, Express.js, Flask, Tailwind CSS

Databases & Tools: MySQL, PostgreSQL, MongoDB, Git, Postman, Firebase

Core Concepts: Data Structures & Algorithms, OOP Concepts, REST APIs, Authentication, Debugging

Soft Skills: Problem Solving, Analytical Thinking, Team Collaboration, Communication, Adaptability

Experience

Software Engineering Intern

Aug 2024 – Oct 2024

Bluestock Fintech (Remote)

Tech Stack: React, Node.js, PostgreSQL

- Designed responsive React UI modules for financial dashboards, improving user navigation by **25%**.
- Implemented real-time preview and state synchronization between multiple UI sections to ensure **100%** data consistency.
- Integrated frontend components with RESTful APIs to store and retrieve user data reliably from the backend.
- Delivered maintainable code within Agile sprints, contributing to peer code reviews and system documentation.

SDE Intern

June 2025 – July 2025

Armus Digital (Remote)

Tech Stack: React, Node.js, MongoDB

- Developed secure authentication flows and core business logic across backend and frontend layers.
- Refactored frontend components using reusable patterns, reducing page load latency by **25%**.
- Debugged and resolved complex full-stack issues, improving overall system stability and performance by **15%**.
- Collaborated with cross-functional teams in Agile sprints to deliver clean, maintainable, and testable code.

Projects

AI Resume Builder | React, Node.js, MongoDB, AI

2025

- Designed a scalable modular backend to handle concurrent user requests for document generation, ensuring low latency.
- Structured a flexible MongoDB schema to store complex user profiles and history, ensuring data persistence.
- Integrated AI-based content generation for summaries, skills, and experience sections.
- Automated server-side PDF generation, reducing resume creation time by **60%**.

AI-Powered Disease Prediction System | Python, ML, React.js, Node.js, MongoDB

2024

- Built and optimized machine learning models — Random Forest, Support Vector Machine, and Gaussian Naive Bayes for disease prediction, improving accuracy and reliability.
- Connected Python machine learning scripts with a Node.js/Express backend for real-time prediction using a lightweight API bridge.
- Delivered consistent and accurate disease predictions, improving reliability and user experience even under concurrent requests.

Leadership & Achievements

- **Club Administrator, ALFA Coding Club, TIPS, Dwarka:** Led a Web Development workshop for **50+** students.
- **Core Organizer, TECH SAMAAROH, TIPS, Dwarka:** Managed planning and execution of a technical fest with **500+** participants.
- **Head Boy, Mount Assisi School:** Coordinated academic and cultural activities for **800+** students.
- **Problem Solving:** Solved **150+ problems** on LeetCode and GeeksforGeeks, demonstrating strong algorithmic skills.