SOURAV KUMAR

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OBJECTIVE

Detail-oriented MCA student with strong knowledge of software development, algorithms, and application design. Seeking opportunities to contribute to tech-driven solutions through efficient coding, debugging, and analytical thinking, while advancing skills in architecture, optimization, and end-to-end development.

EDUCATION

Master of Computer Applications CGPA: **7.6/10**
Birla Institute of Technology, Ranchi 2024 – 2026

Bachelor of Computer Applications CGPA: **8.9/10**
Guru Gobind Singh Indraprastha University, New Delhi 2021 – 2024

SKILLS

Languages: Java, SQL, Python, JavaScript, HTML, CSS
Frameworks: Node.js, Express.js, Flask
Libraries: React.js, Redux, Tailwind CSS
Databases: MySQL, PostgreSQL, MongoDB
Soft Skills: Analytical Thinking, Adaptability, Team Collaboration, Leadership, Communication
Tools: Git, Postman, Firebase

EXPERIENCE

SDE Intern June 2025 - July 2025
Armus Digital *Remote*

- **Full Stack Development:** Engineered **robust business logic** and secure authentication modules, taking ownership of the full development lifecycle from design to testing.
- **Frontend Optimization:** Refactored frontend modules for reusability and optimized rendering cycles, cutting load latency by **25%**.
- **System Stability:** Identified and resolved complex full-stack defects, resulting in enhanced stability and a **15%** improvement in overall performance.

PROJECTS

AI-Resume Builder

- **Backend Architecture:** Designed a scalable modular backend to handle concurrent user requests for document generation, ensuring low latency.
- **Database Optimization:** Structured a flexible **MongoDB schema** to store complex user profiles and history, ensuring data persistence.
- **Impact:** Automating the PDF generation pipeline, reducing the average resume creation time by **60%**.

AI-Powered Disease Prediction System

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

LEADERSHIP & ACHIEVEMENTS

- **Club Administrator, ALFA Coding Club**: Organized and led a Web Development workshop (50+ students). Orchestrated the annual tech fest, TECH SAMAAROH **(500+ participants)**, for two consecutive years.
- **Head Boy, Mount Assisi School**: Served as liaison between **800+ students** and **administration**; managed annual festival and charity drives.
- **Problem Solving:** Successfully solved **150+ problems** across major competitive platforms (LeetCode, GeeksforGeeks), demonstrating strong **algorithmic skills**.