

Saharsh Kumar

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PROFESSIONAL SUMMARY

Aspiring Full-Stack Software Engineer with expertise in designed and delivered scalable, user-centric web applications using the MERN stack. Proficient in Data Structures and Algorithms (300+ LeetCode problems solved) and experienced in delivering high-performance solutions with CI/CD and cloud deployment. Passionate about solving complex challenges and contributing to innovative projects.

EDUCATION

IIIT Dharwad

BTech in ECE — GPA: 9.14/10.0

Karnataka, IN

Dec 2022 – May 2026

Gyan Bharti Senior Secondary

Senior Secondary — Percentage: 91.2%

Bihar, IN

Aug. 2020 – May 2022

EXPERIENCE

Full Stack Developer Intern

Innomatics Research Labs

Sept 2024 – Nov 2024

Hyderabad, IN

- Engineered a scalable e-commerce platform using the MERN stack with JWT authentication, boosting user engagement by 40%.
- Optimized MongoDB schema and indexing, reducing query response times by 60% using compound indexing and improving database efficiency.

PROJECTS

Emotion Recognition in Conversations (ERC) | Python, BERT, LSTM, Hinglish NLP

Feb – April 2025

- Designed a real-time ERC system using fine-tuned HingBERT embeddings and BiLSTM classifier for code-mixed Hindi-English dialogues.
- Achieved **weighted F1-score of 0.5753**, outperforming Base/Quantized/LORA LLaMA on key classes (neutral, joy).
- Designed a conversational interface with emotion flip analysis and visualizations to handle context shifts and class imbalance.

E-commerce Website Development | HTML, CSS, JavaScript, React, Node.js, MongoDB

Sept – Nov 2024

- Engineered a full-stack e-commerce website with user authentication, product listings, and shopping cart functionalities
- Integrated secure payment gateways (e.g., Stripe, PayPal) for seamless transactions

Health Care Hub | Next.js, MongoDB, Bootstrap, JavaScript

May 2024 – June 2024

- Healthcare portal for patients to access medical info, book appointments, and manage records.
- Integrated an **Emergency SOS button** to auto-call ambulance services using geolocation APIs for instant response

TECHNICAL SKILLS

Languages: Java, Python, C++, SQL, JavaScript/TypeScript, HTML/CSS

Web/Frameworks: React, Next.js, Node.js, Flask, RESTful APIs, Bootstrap, Material-UI

Tools/Cloud: Git, Docker, GCP, PostgreSQL, MongoDB, VS Code

Soft Skills: Reliable, Quick Learner, Thoughtful

ACHIEVEMENTS

GeeksforGeeks: 3 ★ (Contest Rating: 1752); solved 300+ problems on LeetCode (Rating: 1500+)

Competitive Programming: CodeChef 3 ★ (1600+), Codeforces (Rating: 1038)

Hackathons: Participated in Smart India Hackathon 2024; participated in multiple national-level hackathons including Flipkart GRiD and Devfolio events