Saharsh Kumar

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PROFESSIONAL SUMMARY

Passionate developer who thrives on building high-performance, user-centric web applications. Skilled in solving complex challenges and crafting scalable solutions. Strong foundation in Data Structures and Algorithms (DSA) with 300+ problems solved on LeetCode. Proficient in MERN stack development and embedded systems.

EDUCATION

IIIT Dharwad — Karnataka, IN
BTech in ECE — GPA: 9.14/10.0 — *Dec 2022 – May 2026*

Gyan Bharti Senior Secondary — Bihar, IN
Senior Secondary — Percentage: 91.2% — *Aug. 2020 – May 2022*

EXPERIENCE

Full Stack Developer Intern — Sept 2024 – Nov 2024
Innomatics Research Labs — *Hyderabad, IN*

- Developed 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% and improving database efficiency.

PROJECTS

Land Classification Using Satellite Images | *Python, Machine Learning, OpenCV, TensorFlow* — Jan – March 2025

- Applied machine learning algorithms to classify land types from satellite images (urban, rural, forest, etc.)
- Preprocessed satellite data and implemented image segmentation for better classification accuracy
- Utilized TensorFlow for deep learning model implementation and evaluation

E-commerce Website Development | *HTML, CSS, JavaScript, React, Node.js, MongoDB* — Sept – Nov 2024

- Developed 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
- Worked on front-end development using React.js and back-end API development with Node.js and Express

Browsing Engine in Python | *Python, HTML, CSS, JavaScript* — May 2024 – June 2024

- Developed a lightweight browsing engine that interprets HTML, CSS, and JavaScript to render web pages
- Mimicked how browsers display content, improving understanding of web technologies and front-end rendering
- Designed to facilitate learning and experimentation with web technologies, including DOM parsing and CSS styling

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL (Postgres), JavaScript/TypeScript, HTML/CSS
Frameworks: React, Node.js, Flask, Material-UI, FastAPI
Developer Tools: Git, Docker, Google Cloud Platform, VS Code, Visual Studio, Git

ACHIEVEMENTS

3-star rating on GeeksforGeeks (1752 contest rating) and solved 300+ LeetCode problems (1500+ rating)
3-star CodeChef rating (1600+), Codeforces rating (1038 rating)
Advanced Web Development Certification from Innomatics