

Himanshu Sahu

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SUMMARY

Full-stack developer (*React/Node.js/MongoDB*) with hands-on **ML experience** (TensorFlow/NLP). Builds scalable systems with clean, maintainable code.

SKILLS

Programming Languages: JavaScript | C++ | C | Python | Java | Typescript

Frameworks/Libraries: React.js | Node.js | Express.js | Redux | RESTful APIs | Scikit-learn | TensorFlow | NLTK

Databases: MongoDB | MySQL

Tools & Platforms: Git | GitHub | Postman | Docker

PROJECTS

Townsquare – Hyperlocal Community Networking App [\[🔗\]](#)

Feb 2025 – April 2025

Built a **full-stack community platform** with **real-time** chat (Socket.io), **JWT auth**, announcements, polls, and local marketplace features. (*React.js | Node.js | Express.js | MongoDB | Socket.io*)

- Engineered **modular services** for community posts, issue reporting, and alerts
- **Improved rendering efficiency** with **React.memo**, lazy loading, and dynamic imports for **smoother UX**.

Devsphere – All-in-One Developer Collaboration Hub [\[🔗\]](#)

Nov 2024 – Jan 2025

Collaboratively developed a platform for developers to **publish updates**, **engage in discussions**, and **code across multiple languages** and communities. (*React.js | Node.js | MongoDB | CodeMirror | Socket.io*)

- Led core features: **group/private chats**, **interactive feed**, profiles, search, follow system, and community creation.

Novascript – Simple, efficient language built on strong design.

May 2025 – Current

Developing an **interpreted language** with **English-like syntax** to make coding accessible on the web for beginners. (*C++ core | React.js*)

- **Developed** core language processing components to enable parsing and understanding of English-like syntax.
- Currently designing an **interactive sandbox** for real-time **coding and visualization**.

AlgoViz – Interactive Machine Learning Visualizer. [\[🔗\]](#)

March 2025

Developed an **interactive platform to visualize** key ML concepts and enable **real-time data manipulation and model tuning** for immersive hands-on learning. (*Python | Flask API | NLP | Machine learning models*)

- **Built core components** including regression visualization and dataset summarization modules to enhance user interaction and learning.

ACHIEVEMENTS

Solved **200+ coding problems** and attended **5+ hackathons**, boosting **algorithmic skills and teamwork**. **Volunteered** at national-level hackathon *AMCEC*, gaining event coordination and community experience.

EDUCATION

Bachelor of Engineering (B.E.) in Computer Science and Engineering

2022 – 2026 (Expected)

- AMC Engineering College, Bengaluru

CGPA : 8.7/10

Relevant Coursework: Data Structure and Algorithms | Machine Learning | Operating systems | Computer Networks | Database Management Systems | Software Engineering.