Praveen Udayagiri

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CAREER OBJECTIVE

Aspiring Software Engineer skilled in the MERN stack and problem-solving, with hands-on experience in building scalable applications. Eager to contribute to impactful projects while continuously learning and adapting to new technologies.

EDUCATION

Vignan University   CSE
B.Tech - 8.2 CGPA   2022 - present

SKILLS

- **Languages**: C, C++, Java, JavaScript, Python
- **Frontend**: HTML, CSS, Tailwind CSS, React, Redux
- **Backend**: Node.js, Express.js, MongoDB, Socket.io
- **Tools**: Git, GitHub, AWS, Postman

PROJECTS

DevTinder – Developer Networking Web App – Live Link
Tech Stack: MERN (MongoDB, Express.js, React, Node.js), Socket.IO, AWS EC2, Nginx
- Built a networking platform for developers to connect based on skills and interests, fostering collaboration and growth.
- Developed a connection request system, enabling developers to send, receive, and accept requests.
- Implemented a real-time chat module with Socket.IO, storing chat history in MongoDB for seamless communication.
- Deployed the application on AWS EC2 with Nginx, ensuring a scalable and production-ready environment.

Swiggy Clone – Dynamic Food Delivery Web App – Live Link
Tech Stack: React.js, Redux, CSS
- Developed a dynamic food delivery web application replicating Swiggy's core functionality using real-time API data.
- Utilized Redux for efficient global state management of restaurant listings and shopping cart operations.
- Implemented intuitive search and top-rated filter features to enhance user experience.
- Designed a fully functional Add to Cart system with quantity control and real-time cart updates.

Image Steganography Framework – Comparative Analysis of CNN and GAN Models
Tech Stack: Python, TensorFlow, Keras, OpenCV
- Implemented and compared LSB, CNN, and GAN-based methods for secure image steganography.
- Designed a CNN encoder–decoder and a GAN adversarial model for image hiding and retrieval.
- Achieved improved imperceptibility and robustness with GANs while balancing efficiency with CNNs.

CERTIFICATIONS

- AWS Cloud Practitioner – Link
- Machine Learning Workshop at IIT Hyderabad – Link
- Namaste ReactJS course in NamasteDev – Link
- Namaste NodeJS course in NamasteDev – Link