

# Praveen Udayagiri

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## CAREER OBJECTIVE

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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

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**Vignan University**  
B.Tech - 8.2 CGPA

CSE  
2022 - present

## SKILLS

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

## PROJECTS

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### 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

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- AWS Cloud Practitioner – [Link](#)
- Machine Learning Workshop at IIT Hyderabad – [Link](#)
- Namaste ReactJS course in NamasteDev – [Link](#)
- Namaste NodeJS course in NamasteDev – [Link](#)