

Naveenkumar Gumaste

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Professional Summary

Electronics and Communication Engineering graduate with hands-on project experience and a strong grasp of core engineering fundamentals. Passionate about web technologies and artificial intelligence, with a keen interest in building practical, real-world solutions. Brings a proactive mindset, adaptability, and a strong drive to learn and contribute

Education

Bachelor of Engineering, Electronics and Communication Engineering

KLE Technological University, Hubballi, Karnataka, India

Diploma, Electronics and Communication Engineering

JSS's K.H. Kabbur Institute of Engineering, Karnataka, India

Secondary School Leaving Certificate (SSLC)

Basel Mission English Medium High School, Dharwad, Karnataka, India

Experience

Software Engineer Intern – Congle, Bengaluru, Karnataka, India

Feb 2025 – May 2025

- Built the complete frontend architecture for CongleX Events, a ticketing platform enabling users to create, host, and book public and private events with a focus on scalability and user experience.
- Implemented pixel-perfect UI components translated from Figma designs using React.js and Tailwind CSS, ensuring full responsiveness across all screen sizes.
- Maintained visual consistency and design fidelity throughout the platform by establishing reusable design patterns and component-based architecture.

Projects

Haggl Underground

- Built Haggl, a Next.js 15 and React 19 application for AI-driven negotiation gameplay. Designed a dark, motion-rich interface with Framer Motion and Tailwind CSS, backed by Appwrite for session and leaderboard persistence.
- Integrated Google Gemini APIs with intelligent model routing to separate lightweight conversational turns from reasoning-heavy pricing decisions.
- Developed API routes for session initialization, negotiation, final scoring, and contact handling, delivering a polished, data-driven product with responsive UX and competitive ranking mechanics overall seamlessly.

UniTools - Free Online Developer and Utility Tools

- Designed a vision-based system using computer vision techniques to monitor driver alertness through facial and eye movement tracking.
- Integrated real-time alert mechanisms to notify the driver upon detecting signs of fatigue or inattention.
- Optimized model performance for consistent detection under varying lighting and environmental conditions.

Intelligent Parking Space Management System – Academic Project

- Developed a user-friendly smart parking web app with JavaScript, HTML, and Tailwind CSS to tackle urban parking challenges effectively.
- Real-time availability data from IR sensors and servo motors was used for demonstration to slash search time and ease traffic congestion.
- The app optimizes parking space usage and fosters smoother urban traffic flow by guiding drivers straight to open spots.

Autonomous Emergency Braking System with Carla Simulator – Academic Project

- This project implements and evaluates an Autonomous Emergency Braking (AEB) system within the CARLA simulator.
- The system detects obstacles and autonomously applies braking to mitigate collisions. Braking initiation occurs at 8 meters, targeting a complete stop within 2 meters of the obstacle.
- System performance and collision avoidance were validated using CARLA's visualization tools

Skills and Hobbies

Technical: Next.js, React.js, JavaScript (ES6+), Tailwind CSS, HTML, CSS, Machine Learning, Deep Learning

Tools: VS Code, Ollama, Supabase, Redis, MongoDB, Figma, Git

Languages: English (Professional Working), Kannada (Elementary, Mother Tongue)

Hobbies: Exploring New AI Tools, Building projects using Raspberry Pi and ESP32

Certifications

- **JavaScript Course 2025: Zero to Expert**
Comprehensive training covering core to advanced JavaScript concepts including ES6+, asynchronous programming, and DOM manipulation. Built practical projects to strengthen problem-solving and real-world frontend development skills.
 - **Responsive Web Design**
Learned to design and develop responsive web interfaces using HTML, CSS, Flexbox, and Grid systems. Focused on accessibility, cross-device compatibility, and modern UI design principles.
 - **5-Day AI Agents Intensive Course by Google**
Explored AI agent architectures, prompt engineering, and decision-making workflows in intelligent systems. Gained hands-on exposure to building and evaluating agent-based AI applications.
 - **Machine Learning Algorithms**
Studied core machine learning techniques, including supervised and unsupervised learning models. Implemented algorithms such as regression, classification, and clustering using practical datasets.
 - **Cyber Security and Privacy**
Covered essential cybersecurity principles, including encryption, authentication, and threat mitigation. Learned best practices for securing systems, networks, and user data against vulnerabilities.
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