Karan Shetty

Bachelor of Engineering
Computer Science & Engineering
Sahyadri College of Engineering & Management, Mangaluru

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GitHub Profile
LinkedIn Profile

Education

•Sahyadri College of Engineering and Management, Mangaluru *2025*
B.E - Computer Science and Engineering

•Karnataka Government Polytechnic, Mangalore *2022*
Diploma - Computer Science and Engineering

•Durga Parameshwari Pre University College, Kateel *2020*
Department of Pre-University Education, Karnataka

•Sri Durga Parameshwari Temple High School Kateel *2018*
Karnataka Secondary Education Examination Board, Karnataka

Experience

•Technical Career Education Private Limited *Oct-Nov 2023*
Student Intern Mangalore
– Developed and deployed a Task Management web application using the MERN stack.
– Actively engaged in project meeting to address challenges and enhance teamwork and coordination.

•Thaniya Technologies *Feb 2025 – May 2025*
Full Stack Developer Intern Mangalore
– Contributed to the development of scalable web applications using modern technologies in the MERN stack.
– Collaborated with cross-functional teams to enhance application features, resolve bugs, and improve performance.

Projects

–Image to Text and Text to Speech Conversion: Implementing OCR and TTS *Dec 2023-Feb 2024*
Developed an application that converts images containing text into speech to improve accessibility.
∗ Tools and technologies used: Python, Tesseract OCR, Google Text-to-Speech API, VS-Code.
∗ Optical Character Recognition (OCR) has been implemented to extract text from images.
∗ Integrated Text-to-Speech (TTS) technology to vocalize the extracted text.

– **Event Management System** *Jan-Feb 2024*
Developed and deployed a full-stack event management system to streamline event planning, registration, and execution.
∗ Tools and technologies used: Apache, JavaScript, HTML, CSS, MySQL, VS-Code.
∗ Built a responsive web platform with CRUD operations for event creation and registration.
∗ Implemented real-time notifications and updates using database triggers, enhancing user engagement.

–Smart Water Turbidity and Pipeline Management *May 2024-Nov 2024*
Developed an IoT-based system for real-time water quality monitoring and automated control.
∗ Tools and Technologies Used: ESP32, Firebase, React, Node.js, Turbidity Sensor, Flow Sensor, VS Code.
∗ Implemented automated control using NodeMCU ESP32 and solenoid valves based on turbidity thresholds.
∗ Integrated Firebase and React-based web interface for data visualization and remote monitoring.

Technical Skills and Interests

Languages: Java, Python, C, JavaScript (ES6+), HTML5, CSS3
Frontend: React.js, Tailwind CSS, Bootstrap
Backend: Node.js, Express.js, JWT Authentication, RESTful APIs
Databases: MySQL, MongoDB Atlas, Firebase
Tools: Git, GitHub, Postman, VS Code, Android Studio, Jupyter Notebook
Soft Skills:Teamwork, Time Management, Problem Solving

Certificate

– **Introduction to Generative AI -** Simplilearn (In Collaboration with Google Cloud) (2025)
– **Database and SQL -** Infosys Springboard (2024)
– **MERN Stack with Bootstrap Framework -** TCE (2023)

Achievements / Positions of Responsibility

Served as Physical Coordinator at SCEM, Mangalore