SHRIHARI J

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SUMMARY

Full Stack Developer with hands-on experience building and maintaining scalable web applications using the MERN stack. Proficient in React.js, Node.js, and MongoDB, with a solid understanding of REST API development and full-stack architectures. Experienced in Agile workflows, version control, and collaborative team environments. Focused on writing clean, maintainable code and continuously improving technical capabilities.

EDUCATION

- Master of Computer Applications (MCA), Siddaganga Institute of Technology, Tumkuru (2022-2024) - CGPA: 8.67

- Bachelor of Science (Physics, Mathematics, Computer Science), JSS College, Mysore (2019-2022) - CGPA: 7.83

SKILLS

- **Frontend**: React.js, Redux, HTML5, CSS3, Tailwind CSS, Bootstrap
- **Backend**: Node.js, Express.js, RESTful APIs, JWT, Docker (Basics)
- **Databases**: MongoDB, MySQL, Azure Cosmos DB
- **Cloud & DevOps**: Microsoft Azure, Git, GitHub, Postman
- **Languages**: JavaScript, Python, Java
- **Others**: OpenCV, TensorFlow, Keras, Data Visualization (Matplotlib, Seaborn), Agile Methodologies

WORK EXPERIENCE

Full Stack Engineer Intern | Adversity Solutions,
Remote Sep 2024 - April 2025

- Developed interactive front-end components with React.js, Tailwind CSS, and React Router
- Built and integrated RESTful APIs using Node.js and Express.js
- Designed MongoDB schemas for task/user management modules
- Conducted peer code reviews and provided feedback to ensure adherence to best coding practices.

PROJECTS

- **AI vs Real Image Classification** : Achieved 86.3% accuracy using a CNN model (TensorFlow & Keras) on 18,000+ images. Integrated OpenCV for image pre-processing and visualized results using Matplotlib.
- **Urban Traffic Pattern Analysis :** Analyzed 48,000+ traffic records with Python libraries to detect peak congestion areas. Helped planners enhance signal timing across 3 major intersections.
- **Speaker Recognition System :** Built a speaker identification system using MFCC & GMM with 92% accuracy. Extracted 20-D audio features for classification.
- **MERN Portfolio Website :** Created a responsive personal portfolio using the MERN stack. Hosted on GitHub Pages with downloadable resume and project showcase.
- **AI Chatbot (MERN + OpenAI API) :** Implemented OpenAI GPT API in a MERN app to simulate interactive conversations. Successfully responded to 30+ queries in real-time.
- **Expense Tracker App :** Developed a secure MERN-based tracker with JWT authentication and analytics. Supported categorization and real-time updates of 50+ entries per user.

CERTIFICATES AND ACTIVITIES

- Programming in Java - NPTEL (Score: 69%)
- Advanced Data Structures & Algorithms in C++ - GeeksForGeeks
- 5-Star Rating in Python on HackerRank
- Secured certifications in Namaste JavaScript and Namaste React, utilizing the knowledge to enhance coding standards and practices, improving the code review process and reducing bugs.
- Volunteered in organizing "Zerone", the annual MCA department fest, contributing to event planning, coordination, and execution.
- Project selected for presentation at the IIIS Conference hosted by ISSS Bangalore. Among 24 projects shortlisted from across India, our project was one of the finalists.
- Languages: English, Kannada, Telugu