

Manoj H N

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CAREER OBJECTIVE

Recent Computer Science engineering graduate with a keen interest in software development, web technologies, and basic experience in machine learning using Python. Eager to join a forward-thinking team where I can enhance my skills, contribute to real-world projects, and grow as a versatile developer.

EDUCATION

- B.E in Computer Science and Engineering, Visvesvarayya Technological University (VTU) 2021 – 2025 | CGPA: 7.55
- 12th(PU) – Govt Boy's Junior College, Hunsur | 76.45%

TECHNICAL SKILLS

- Programming Languages: Python.
- Web Development: HTML, CSS, JavaScript, ReactJS, Bootstrap.
- Database Management: SQL.
- Tools: Microsoft office, PowerBI, Visual studio.
- Other: Data Structures & Algorithms, AI & Machine Learning.

ACADEMIC PROJECT

- **Real Time Driver Detection Monitoring System Using Python, OpenCV, Dlib.**
Built a real-time system using Python, OpenCV, and Dlib to detect driver drowsiness via eye aspect ratio and head pose. Triggered alerts with sound and email (with image) upon detecting fatigue or distraction.
- **Real-Time Neural Machine Translation (IBM Project).**
Built a real-time language translation system using Neural Machine Translation (NMT) models. Integrated Python with pre-trained deep learning models to translate spoken or typed input across multiple languages instantly. Enabled seamless communication with live text and voice translation.
- **Online Quiz Management Website.**
Developed a full-stack web application to manage and conduct online quizzes with secure login, timer-based quizzes, and result generation. Implemented user authentication for admin and participants, dynamic question handling, and responsive UI design. Used PHP and MySQL for backend development and database management; deployed and tested locally using XAMPP. Enhanced user experience with real-time validation and interactivity using JavaScript.

INTERNSHIPS & CERTIFICATION

- AI Machine Learning Engineer with Web development using Flask, VTU, Kushalnagar | Oct-Feb 2024-25
- IBM Certificate: Participated In Cognitive Insight with AI: Leveraging AI Enhanced Customer Engagement.
- Web Dev Intern - Elewayte: Created responsive websites using tools HTML, CSS, JavaScript, ReactJs and integrated backend using Python , SQL. | (FEB-JUNE 2023)
- Fundamentals of IoT Development & IoT Modeling with Thingworx PTC Centre of Excellence, GTTC, Hassan | Oct-Nov 2023
- Microsoft Office Internship Certificate – IACT Institution | Nov-Dec 2022

ADDITIONAL INFORMATION

- Journal Paper: Real time Driver Detection Monitoring System using YOLOv8
- Language: English and Kannada.
- Participated in India's largest Intra-college tech competition organized by KIMO India.
- College Sports Got 2nd Prize in Volleyball Match.