Madhavi Sonawane

📞 8390976520   ✉ madhavison06@gmail.com   in Linkedin   ⓞ Github

Professional Summary

I am Result-oriented computer engineering student with a proven track record of academic excellence and hands-on experience in diverse aspects. Proficient in various programming languages and deep passionate about Machine Learning and Deep Learning.

Education

Vishwakarma Institute of Information Technology   **2022 - 2025**
B.Tech in Computer Engineering, CGPA: 9.61   *Pune, Maharashtra*

Government Polytechnic, Dhule   **2019 - 2022**
Diploma in Computer Engineering, Percentage: 93.26   *Dhule, Maharashtra*

Relevant Coursework

- Data Structures (DSA)
- Database Management
- Artificial Intelligence
- OOPs
- Software Engineering
- Operating System
- Machine Learning
- Computer Networks

Academic Projects and Research Papers

Real Estate MERN Stack App | *React, Express.js, MongoDB, NodeJS* | ⓞ Link
- **React** Fetch Data functionality is added with React Router DOM loader based on URL query.
- Protect Routes with JWT Cookie and middleware is implemented using **Express.js**
- Post Modal (Prisma Relationships) and CRUD operation is implemented using Prisma **MongoDB**.
- **MongoDB** and **Node.js** real-time chat functionality with Socket.io is implemented.

AI Chatbot for Restaurant Website | *HTML, CSS, JavaScript, Python, Flask* | ⓞ Link
- Developed an AI chatbot using **Deep Learning (DL)** and **Natural Language Processing (NLP)** concepts.
- Leveraged **PyTorch** for training deep learning models. Used **NLTK** for text processing and tokenization.
- Designed the frontend using **HTML, CSS**, and **JavaScript**. Utilized **Flask** framework to create the web application.
- Integrated the chatbot in restaurant website to handle customer queries efficiently. Deployed web app on Render.

E-Commerce Project | *AWS EC2, Jenkins, Docker, HTML, CSS, JavaScript* | ⓞ Link
- Designed and developed an e-commerce website from scratch, combining **HTML, CSS, JavaScript** and **Bootstrap** to create a visually appealing and user-friendly online shopping experience.
- Deployed application on **AWS EC2** instance and Containerized it using **Docker**
- Utilized **Jenkins CI/CD pipeline** for continuous integration and deployment.

Comparative Study of Deep Neural Language Models for Text Generation | *Python, Streamlit* | ⓞ Link
- Compared various neural network architectures: **CNN, RNN, LSTM** and **GRU**.
- Trained these models on shakespeare dataset using **Tensorflow** and **Keras** library.
- Analyzed and compared models based on their accuracy and loss metrics.
- Utilized Gemini API for text generation, integrated via **Python** and **Streamlit** in the web application.

Technical Skills

Languages: C, C++, Java, Python, HTML/CSS, JavaScript, SQL(MySQL), MongoDB(Basics), PHP
Developer Tools: VS Code, Eclipse, Pycharm, Intellij, Android Studio, Figma, Canva, JIRA
Technologies/Frameworks: Git, GitHub, ReactJS, Flask, Firebase, AWS, Postman
Soft Skills: Leadership, Communication skills, Teamwork, Time Management, Presentation Skills, Problem Solving
Certificates: Cisco Certified Network Associate (CCNA) from Cisco, Postman API Fundamentals Student Expert from Postman, Data Science and Machine Learning (DSML) from Udemy, Web Development from Internshala

Leadership / Extracurricular

- LPF Scholarship holder, attended training programs offered by LPF including Personality Development, Project Management, Time Management, Leadership lesson etc
- Technical Head at Women Empowerment Cell, VIIT
- Social Media and Publicity Head at IoT Forum, VIIT. Organized and curated technical events with 100+ registrations
- Contributed in 10+ Open Source Projects