Usha Kiran Paruchuri

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PROFILE

Passionate B.Tech student specializing in Computer Science Engineering (AI & ML) with a strong foundation in programming, algorithms, and problem-solving. Experienced in web and mobile app development, with proficiency in Python, Django, and Flutter. Former ACM Webmaster, skilled in managing technical operations, event organization, and website maintenance. Eager to explore emerging technologies and apply my expertise in real-world projects. Currently seeking opportunities to enhance my technical and problemsolving skills.

EDUCATION

Bachelor of Technology - Computer Science and Engineering (AI&ML),   2022 – 2026
Vasireddy Venkatadri Institute of Technology, CGPA: 8.8

Intermediate, Narayana Junior College; Score: 95.1%   2020 – 2022

Secondary School, Kennedy EM High School; GPA: 10.0   2019 – 2020

SKILLS

Languages : Python, Java, SQL

Core CS Knowledge : Data Structures & Algorithms, Computer Networks (basics), DBMS

Tools & Platforms : Git, GitHub, Jupyter Notebook, Microsoft Word, Microsoft Excel

Web/Frameworks : HTML, CSS, JavaScript, React, Django, Flask, Streamlit, Flutter, Firebase

Soft Skills : Problem-Solving, Analytical Thinking, Communication, Team Collaboration

PROJECTS

Personalised Health Advisor, Streamlit App 🔗
- Built an AI-powered health advisory system using Python, Streamlit, and Scikit-learn to perform disease prediction and health risk assessment based on user inputs.
- Applied data preprocessing, input validation, and model evaluation techniques to ensure reliable and accurate predictions.

Farmease, Farming Equipment Rental App 🔗
- Designed and developed a mobile application using Flutter and Firebase to enable booking and management of farming equipment.
- Implemented user authentication, real-time database integration, and payment features to support end-to-end rental workflows.

Breast Cancer Diagnosis Predictor 🔗
- Developed a machine learning–based diagnosis tool using Python, Scikit-learn, and Pandas to assist in breast cancer detection.
- Performed data preprocessing, feature analysis, model evaluation, and prediction validation to improve diagnostic accuracy.

EXPERIENCE

Open Source Contributor – Wikimedia Foundation 🔗   07/2024 – 09/2025
                                                              Remote
- Developed and contributed to a **Community Insights Dashboard** analyzing millions of Wikimedia records to track editor activity, community growth, and content trends across Indic Wikipedia projects.
- Processing millions of Wikipedia records using Python (PAWS/Jupyter), Streamlit, and MySQL for 1000+ global editors, significantly improving dashboard performance.

Webmaster for ACM Women Chapter   2024 – 2025
- Managed and maintained the organization's website, ensuring seamless functionality and updated content.
- Handled event registration data and documentation using Microsoft Excel for efficient management.
- Collaborated with teams to coordinate tech events and improve digital workflows.

CERTIFICATES

Wipro TalentNext – Java Full Stack Developer Program (Wipro)
DSA – NPTEL (65%) 🔗 | **Cloud Computing** - NPTEL (83%) 🔗
SQL – Udemy 🔗 | **FLUTTER** - Udemy 🔗
Data Analytics Job Simulation - Deloitte 🔗
Java Programming Fundamentals – edX 🔗
Java Programming Language – Infosys Springboard 🔗

INTERESTS

AI/ML Research | Dancing | Exploring Emerging Technologies | Listening to music