A VAISHNAVI RAO

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LinkedIn | GitHub | Portfolio

Professional Summary

Computer Science & Engineering (Data Science) student with a strong foundation in web development, machine learning, and data analysis. Proficient in Python, SQL and front-end technologies, with hands-on experience. Seeking a software related role to leverage technical and analytical skills in real-world applications.

Education

Bachelor of Engineering in Computer Science (Data Science)   2021 – 2025
Vivekananda College of Engineering and Technology, Puttur   CGPA: 8.67/10.0
Visvesvaraya Technological University (VTU)

Technical Skills

- **Programming:** Python, Java
- **Frontend:** HTML, CSS, JavaScript
- **Database:** SQL (MySQL), NoSQL (MongoDB)
- **Version Control:** Git, GitHub
- **Other:** Machine learning, Data Analysis

Internship Experience

AI Data Quality Analyst Intern | Rooman Technologies Pvt Ltd   September 2024 – March 2025
• Conducted data analysis, visualization, and AI-driven decision-making, leading to a 40% improvement in analytical efficiency using SQL, Python (Pandas, NumPy), and Power BI.

Projects

Melody-Perfect: AI-Powered Real-Time Pitch Feedback System for Singing Voice   March 2025
• Built a real-time pitch feedback system leveraging machine learning, enhancing vocal pitch accuracy.
• Implemented MFCC feature extraction and Random Forest classifier, improving detection precision by 30%.
• Designed a user-friendly web interface, allowing singers to receive instant feedback and real-time visualization of pitch accuracy.

Online Bus Reservation System   August 2024
• Designed and developed a web-based bus ticket booking system with features such as user registration, route selection, seat booking, and booking history.
• Built using web technologies and integrated with a database to manage real-time ticket availability, offering a smooth and responsive user experience.

Certifications

• Full-Stack Web Development Bootcamp   *Udemy (2025)*
• Programming for Everybody (Python)   *Coursera (2024)*
• MongoDB Course Certification   *Qspiders Campus Connect (2023)*