

A VAISHNAVI RAO

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[Linkedin](#) | [Github](#) | [Portfolio](#)

Professional Summary

A Computer Science & Engineering (Data Science) student with hands-on experience in machine learning, web development, and data analysis. Skilled in Python, SQL, Power BI, and web technologies, with a strong foundation in problem-solving and data-driven decision-making. Seeking Software Engineer, Data Analyst, or AI/ML roles to apply technical expertise and analytical skills.

Technical Skills

- **Programming Languages:** Python, Java, SQL
- **Web Development:** HTML, CSS, JavaScript, Django, MongoDB
- **AI & Machine Learning:** Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn
- **Data Science & Analytics:** Power BI, Data Cleaning & Preprocessing
- **Version Control:** Git, GitHub

Internship Experience

AI Data Quality Analyst Intern

09/2024 - 03/2025

Rooman Technologies Pvt Ltd

- Gained hands-on experience in data analysis, data visualization, and AI-driven decision-making, improving analytical efficiency by 40%, while working with SQL, Python (Pandas, NumPy), and Power BI.
- Implemented data preprocessing and cleaning, reducing data inconsistencies by 50% and enhancing model accuracy through exploratory data analysis (EDA) on large datasets.

Education

Bachelor of Engineering in Computer Science (Data Science)

2021 – 2025

Vivekananda College of Engineering and Technology, Puttur

Visvesvaraya Technological University (VTU)

CGPA: 8.67/10.0

Projects

Sensor Data Quality Monitoring | [Link](#)

Jan 2025

- Developed a real-time data quality monitoring system for IoT sensor data using Python and machine learning reducing errors by 25%.
- Designed an automated data validation pipeline with SQL and Pandas, improving data integrity and optimizing preprocessing efficiency.
- Integrated Power BI dashboards for real-time visualization, enabling quick anomaly detection and data-driven decision-making.

MelodyPerfect: AI-Powered Real-Time Pitch Detection from Singing Voice | [Link](#)

Sep 2024

- Developed a real-time pitch feedback system using machine learning, providing instant vocal pitch analysis and accuracy improvement.
- Implemented MFCC feature extraction and Random Forest classifier, enhancing pitch detection precision by 30%.
- Designed a user-friendly interface for seamless interaction, enabling singers to receive real-time feedback and improve vocal performance.

Certifications

- Full-Stack Web Development Bootcamp
- Programming for Everybody (Python)
- MongoDB Course Certification

[Udemy-2025](#)

[Coursera -2024](#)

[QSpiders-2023](#)