

# A VAISHNAVI RAO

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## Professional Summary

B.E. Computer Science & Engineering (Data Science) student from Vivekananda College of Engineering & Technology (VCET), Puttur, with expertise in Python, web development, databases, and machine learning. Seeking a Software Engineer role to leverage analytical and problem-solving skills.

## Technical Skills

- **Programming Languages:** Java, Python, C
- **Web Technologies:** HTML5, CSS3, JavaScript, React.js
- **Database Management:** SQL, MongoDB
- **Machine Learning:** Data Preprocessing, Model Training
- **Tools & Platforms:** Git, VS Code, AWS

## Education

**Bachelor of Engineering in Computer Science (Data Science)** 12/2021 – 05/2025

Vivekananda College of Engineering and Technology, Puttur

Visvesvaraya Technological University (VTU)

CGPA: 8.67/10.0

- **Relevant Coursework:** Machine Learning, Web Development, Data Structures and Algorithms, Database Management Systems, Object Oriented Programming

## Internship Experience

**AI Data Quality Analyst Intern**

09/2024 - 03/2025

**Rooman Technologies (Online)**

- Gaining hands-on experience in data analysis, data visualization, and AI-driven decision-making.
- Working with SQL, Python (Pandas, NumPy), and data visualization tools (Power BI).
- Implementing data preprocessing, cleaning, and exploratory data analysis (EDA) on large datasets

## Academic Projects

**Melody Perfect: Real-Time Pitch Feedback System from Singing Voice Using Machine Learning**

- Developed real-time pitch feedback system using machine learning to provide instant vocal pitch analysis.
- Implemented MFCC-based feature extraction and Random Forest classifier, ensuring accurate pitch classification.
- Designed a user-friendly interface for interaction, allowing singers to receive real-time pitch feedback.

**BusConnect: Online Bus Seat Booking System**

- Developed a web-based bus reservation system with seat selection and ticket booking features
- Designed and optimized a relational database using SQL for efficient booking management.

## Certifications

- Web Development Bootcamp Udemy-2025
- SQL Certification HackerRank-2025
- Programming for Everybody (Python) Coursera -2024
- MongoDB Course Certification QSpiders-2023