

Veankata Krishnan S M

📍 Chennai ✉ veankatakrishnan@gmail.com ☎ +919499033035 in Veankata Krishnan S M

Summary

Pre-final year B.Tech Computer and Communication Engineering student with a strong foundation in Python programming, machine learning, and software engineering. Experienced in building and validating ML-driven systems and developing automated testing workflows. Passionate about automation to improve software reliability, performance, and testing efficiency.

Education

Amrita Vishwa Vidyapeetham

Aug 2023 - July 2027

B.Tech in Computer and Communication

- CGPA: 8.3/10.0

DAV Senior Secondary School

June 2020 - June 2022

All India Senior School Certificate Examination

- Percentage : 88.4%

DAV Senior Secondary School

Aug 2008 - April 2020

All India Secondary School Examination Certificate Examination

- Percentage : 90.4%

Projects

Comprehensive Stress Detection for Automobile Drivers

[Project Report](#) 

- Developed a machine learning pipeline in **Python** using **TensorFlow**, **Scikit-learn**, and **Matplotlib** to classify driver stress from physiological signals (ECG, GSR, EMG, respiration) with **92% accuracy**.
- Automated data **pre-processing**, **model validation**, and **performance evaluation** scripts, ensuring reproducibility through QA-style testing workflows.

Ambulance Service System

[Project Report](#) 

- Built a **GUI-based** emergency route optimization system in **Python** using **Tkinter**, **NumPy**, and **Matplotlib**, implementing unidirectional, bidirectional and multidirectional **Dijkstra** algorithms.
- Designed and executed **automated test cases** to verify the accuracy of the algorithm, the reliability of the system, and the efficiency of the run time.

Technologies & Skills

Languages: Python, C, HTML, CSS, JavaScript, SQL

Tools & Technologies: VS Code, Spyder, Jupyter Notebooks, Code Blocks, Git & GitHub

Relevant Coursework: Software Engineering, Software Testing, DSA, Problem Solving, Operating Systems, Database Management Systems, Machine Learning, Deep Learning

Certifications & Achievements

- **Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate** (Aug 2025) [View Certificate](#) 
- **Supervised Machine Learning: Regression & Classification** Coursera (Aug 2025) [View Certificate](#) 
- **Crash Course on Python - Google** Coursera (May 2025) [View Certificate](#) 
- Selected and Attended **Amazon** Machine Learning Summer School 2025 (Aug 2025) [View Certificate](#) 