NAVANEETH KRISHNA

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PROFESSIONAL SUMMARY

Computer Science undergraduate (B.Tech, 2026) with hands-on experience building end-to-end software and machine learning systems. Proficient in Python, Java, SQL, and Linux with a strong foundation in data structures, OOP, DBMS, and operating systems. Built and deployed deep learning, data pipeline, and Android-integrated projects achieving up to 98.8% model accuracy. Looking to contribute as an Associate Engineer by writing clean, scalable code and solving real-world engineering problems.

TECHNICAL SKILLS

Languages: Python, Java, C, SQL
Frameworks & Libraries: TensorFlow, Keras, Scikit-learn, XGBoost, Flask, Streamlit
Data & Analysis Tools: Pandas, NumPy, OpenCV, data visualization libraries
Core Concepts: Data Structures & Algorithms, OOP, DBMS, Operating Systems, Computer Networks
Developer Tools: Git, Linux Terminal, VS Code, Android Studio, Google Colab
Backend / Deployment: Flask, Streamlit, TensorFlow Lite (on-device inference)

EDUCATION

Vidya Academy of Science and Technology 2022 – 2026
B.Tech in Computer Science | CGPA: 8.56 | Thrissur, Kerala

St. George's Higher Secondary School 2020 – 2022
12th Standard | 97% | Thrissur, Kerala

INTERNSHIP

Machine Learning & AI Intern – ICT Academy of Kerala June 2025 – July 2025

- Applied supervised and unsupervised learning algorithms to real-world structured datasets, strengthening understanding of production ML workflows.
- Worked hands-on with TensorFlow, Scikit-learn, Pandas, NumPy, and data visualization tools to analyze and model data.
- Contributed to a mini-project demonstrating predictive analytics, collaborating with peers in a team environment.

PROJECTS

DisasterVision – AI-Powered Disaster Damage Assessment Nov 2024 – Mar 2025
Python | TensorFlow | OpenCV | Android Studio | TensorFlow Lite

- Designed a deep learning pipeline to extract feature embeddings from satellite imagery, achieving 98% classification accuracy in identifying disaster-affected structures.
- Improved model robustness through data preprocessing, augmentation, and class balancing techniques.
- Optimized inference using TensorFlow Lite, achieving very high on-device inference speed for scalable Android deployment.
- Integrated the ML model into an Android application, delivering an end-to-end software solution for real-time field use.

Multi-Label Disease Prediction System June 2025 – July 2025
Python | Scikit-learn | XGBoost | Keras | Pandas | NumPy

- Built an end-to-end ML pipeline on 319,000+ records, covering feature engineering, encoding, scaling, and model evaluation.
- Benchmarked multiple models (Random Forest, XGBoost, Neural Networks); XGBoost delivered the best performance at 97.5% accuracy, outperforming the other approaches.
- Applied feature representation techniques to improve multi-label prediction quality across disease categories.

Intrusion Detection System – ML/DL Hybrid July 2025 – Mar 2026
Python | TensorFlow | Scikit-learn | Git

- Developed a hybrid ML/DL system to detect network intrusions from high-dimensional traffic data using learned feature representations, achieving 98.8% detection accuracy.
- Analyzed false-positive rates and other performance metrics to iteratively improve system reliability.
- Wrote modular, maintainable Python code following software engineering best practices; managed version control via Git.

CERTIFICATIONS

- Red Hat Certified System Administrator (RHCSA)
- Database Programming with SQL – Oracle Academy
- Artificial Intelligence Foundation – Infosys Springboard
- Java Programming Training – IIT Bombay
- Python Programming Training – IIT Bombay
- Python Foundation – Infosys Springboard