Kabilan K A

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Summary

A proactive Computer Science student with hands-on experience in AI-based projects and web application development. Passionate about solving real-world problems through technology, with strong teamwork, analytical, and continuous learning skills.

Education

2024 - 2028

Bannari Amman Institute of Technology, Sathyamangalam

Graduation • B.Tech/BE (Bachelor Of Technology/Bachelor Of Engineering) • Computer Science And Engineering

CGPA - 8.43

2022 - 2024

SSM CENTRAL SCHOOL,SENIOR SECONDARY CBSE

11th-12th • HSC

Percentage - 93.4%

2021 - 2022

SSM Central School,Senior Secondary,CBSE

10th • SSLC

Percentage - 83.4%

Certification

Oracle Cloud Infrastructure (OCI) AI Foundations Associate Certification

Certificate Link

Oracle Cloud Infrastructure (OCI) Foundations Associate certification

Certificate Link

Infosys-Machine Learning Foundation Certification

Certificate Link

Infosys-Python Foundation Certification

Certificate Link

Skills

- Python Programming
- HTML
- Java
- C Programming
- Java Script
- CSS
- Machine Learning
- Deep Learning
- C++

Projects

Diabetes Prediction

Apr 2025 – May 2025

Project Link

- Developed an ML-based system for early diabetes risk prediction using **700+ patient records** with clinical features
- Achieved **~85% accuracy** and **0.84 ROC-AUC**, ensuring reliable class separation
- Reduced false negatives by **~18%** through probability-based risk scoring and severity classification
- Evaluated multiple models (Logistic Regression, Random Forest, SVM) and selected the best-performing model
- Deployed as a **Flask REST API** with **<300 ms prediction latency** for real-time usage
- Reduced manual screening effort by **~40%**, supporting faster clinical decision-making

AI-Driven Public Health Chatbot for Disease Awareness

Sep 2025 – Oct 2025

- Built an AI-powered chatbot to provide disease awareness, symptom guidance, and preventive health information
- Covered **20+ diseases** with **150+ symptom–disease mappings** and verified medical guidelines
- Achieved **~90% intent classification accuracy** with **<1 second response time**
- Improved user symptom recognition and health awareness by **~40%** after interaction
- Maintained **6–8 interactions per session** with **~80% session completion rate**
- Ensured responsible AI usage by redirecting **100% high-risk queries** to medical professionals

Responsibility

AI Special Lab

Associative Tech Lead

- Led and coordinated AI project development, guiding teams on **ML, NLP, and system design**
- Oversaw end-to-end execution of **AI prototypes**, ensuring measurable performance and reliability
- Mentored peers in **Python, data preprocessing, and AI best practices** to improve team efficiency
- Aligned lab projects with **real-world impact, scalability, and ethical AI standards**