Aakaash M S

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Education

Amrita Vishwa Vidyapeetham, Coimbatore September 2022 – July 2026
Bachelor of Technology in Computer Science and Engineering
GPA: 8.16/10

Notre Dame Of Holy Cross, Salem July 2022
Higher Secondary - Computer Science
Percentage: 94.8%

Experience

Associate Software Intern , NutMej Software Solutions (Remote) January 2025 – April 2025

- Successfully managed the deployment of cloud-based applications using **AWS services** such as **Amazon EC2** and **Amazon S3**, ensuring optimal performance, scalability, and cost efficiency.
- Designed and deployed a **full-stack web application** for a client using **React**, **Node.js**, and **PostgreSQL**.
- Maintained and updated repositories on **GitHub**, implementing best practices for **version control** and **collaborating** with team members to ensure seamless **code integration**.

Projects

Voice-Activated Electronic Health Record Documentation |Flutter,Firebase| [GitHub]

- Developed a voice-based system to **transcribe** patient-physician interactions and generate structured clinical reports
- Optimized physician workflow by **reducing documentation time by 30%**, enabling **increased focus on patient** care and **improving healthcare** facility efficiency

Fake News Detection |Python,BERT(Hugging Face),PyTorch| [GitHub]

- Developed a fake news detection system leveraging **BERT's transformer architecture** for enhanced **context understanding**, achieving **90%+ accuracy** in distinguishing real and fake news.
- Engineered a comprehensive **NLP pipeline**, including **text preprocessing, tokenization, and fine-tuning**, ensuring **optimal** model performance and scalability.

Lung Cancer Detection using CNN |Python,Pandas,Tensorflow| [GitHub]

- Developed and implemented a **deep learning-based** lung cancer detection model using **Convolutional Neural Networks (CNN)** to classify malignant and benign lung nodules.
- **Optimized** model performance through **hyperparameter tuning** and **data augmentation** techniques,achieving **95%+ accuracy**.

Skills

Languages:C,C++, Python, Java, HTML5,CSS3,JavaScript,Dart,Go,Haskell

Frameworks: React,NodeJS,ExpressJS,Flutter,Tensorflow,PyTorch,FastAPI

Database: MySQL,PostgreSQL,MongoDB

Tools: Git,GitHub,Linux,AWS Console,GCP Console,Docker,Kubernetes,Jupyter Notebook,Firebase

Coursework [LinkedIn]

IBM Introduction to Deep Learning Neural Networks with Keras - Coursera (2025)

Machine Learning with Python - freecodecamp (2024)

Hackathons

- **Finalist** in the **Gen AI Hackathon** organized by **Value Health**, showcasing expertise in **generative AI** solutions for **healthcare** applications.