



AKARSH S NAIR

AI ENGINEERING STUDENT



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EDUCATION

**Amrita Vishwa Vidyapeetham, Kollam,
Kerala - Current**

B-Tech CSE AIE

Semester: 5

CGPA: 9.1

Excel Public School, Mahe

Grades: 8 - 12

SSLC Percentage: 99%

12th Percentage: 98%

Rani Public School ,Vadakara

Grades : 1 - 7

PROFESSIONAL VALUES

Accountability: Taking ownership of tasks and responsibilities, delivering results with a strong sense of accountability.

Adaptability: Thriving in dynamic environments, readily adapting to new challenges and evolving circumstances.

Leadership: Try to manage in all situation and support all others.

Time Management: The ability to efficiently create time for all the activities of passion

Complex Problem-Solving entails the ability to analyze intricate problems and develop comprehensive solutions.

I am a dedicated problem solver with a relentless drive to explore, experiment, and innovate in the field of Machine Learning. With a solid foundation in mathematics and programming, I thrive on deciphering complex datasets and transforming them into intelligent solutions that shape a smarter future.

PROFESSIONAL EXPERIENCE

Oct 22 - July 23

Intern • NLP • Amrita CreateLab

June 23 - present

Research intern • Neural Network • ACM

LEADERSHIP EXPERIENCE

Vice Chairman ACM Student Chapter, Amritapuri:

May 2023 - present

Code@Amrita Mentor

June 2022 - present

NSS Head at Excel Public School Mahe:

Jun 2019 - Jun 2021 • 2 yrs 1 mo

SKILLS

PROGRAMMING LANGUAGE /TOOLS

Java, Python, CPP, Dart, Hadoop, Matlab,
scala, HTML5, CSS, JavaScript, Autocad

ANDROID DEVELOPMENT

Flutter , Kotlin

ARTIFICIAL INTELLIGENCE

Pandas, Sklearn, Numpy

Machine Learning: Supervised, unsupervised

Deep Learning: CNNs, RNNs, TensorFlow, PyTorch.

Natural Language Processing (NLP): Text analysis,
sentiment, language translation.

PROJECTS

Spell Checker-Under CreateLab Amrita:

An NLP Project to make a spell checker using machine-learning models and deploy it as an app. Here we are using the data scrapped from social media.

Dendriky framework for incorporating dendrites to spiking neural networks:

Multisynaptic framework for signal integration in dendrites

AI in Medicine:

An ML and Deep Learning model predicting various diseases using various MRA scan and other real-time dataset

Ibento:

A web page for an event management portal. An event management portal using Django as a backend.

Skin Cancer & Breast Cancer Prediction :

A skin & Breast Cancer detection model build using CNN and RNN and Deployed as an app.

Heart Failure Prediction :

Predicting the onset of Heart Failure using algorithms and deployed using Gradio.

AGEEASE :

A flutter app to help senior citizens where they can access their necessary things in a single click.

Real-Time Salary Prediction:

Predicting the salary using the USA dataset in income.

Hospital & Hostel Management System:

A simple java CLI application from scratch made by us using the basic concepts of Java programming

Autonomous Floor Cleaning Robot:

Robotics project implemented using ROS to autonomously clean the floor.

LANGUAGES

English	★★★★☆
Malayalam	★★★★★
Hindi	★★★★☆
French	★★★☆☆

WINNING HACKTHON

Devjam:

One among top 5 winners in DevJams Hackathon conducted by Google Developer Student Club which was held on September 30, 2022, at VIT Vellore for building a good Android app.

AI Hacks for Good, 2022

Build a Deep learning model for predicting the Brain Tumor. Used Logistics, SVM, and Decision Trees, Random Forest

Reva Hack, 2022

Build a machine-learning model for predicting the onset of different diseases using the dataset from NCBI.

CERTIFICATIONS AND COURSES

Kaggle - Introduction to Machine Learning & Pandas

Kaggle - Intermediate Machine Learning

Kaggle - Introduction to Deep Learning

G20 - Computational Linguistics & Inclusive Education

CISCO - Introduction to Cybersecurity

CISCO - Introduction to Packet Tracer

UDEMY - WEB development Course

AI-Related Course Work: Intelligence of Biological Systems | Python for Machine Learning | ROS

Core Course Works: DAA | DSA | OS

VOLUNTEERING

ICPC, Asia West Regionals Contest 2022

April - 2023 -Amritapuri, Kollam

International coding contest conducted by ICPC Foundation

ICPC, ALGOQUEEN 2022

Dec- 2023 -Amritapuri, Kollam

Girls coding contest sponsored by IBM

Quantum and recognized by ICPC Foundation

INTERESTS

Machine Learning and Artificial Intelligence

Mobile App Development

Open Source Contributions

Travelling

Singing