Adithya S Nair

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Education

AMRITA VISHWA VIDYAPEETHAM   Amritapuri, Kollam
B-Tech, Computer Science with Artificial Intelligence, Semester 5   March 2025
Cgpa: 8.32

SREYAS PUBLIC SCHOOL   Ponkunnam, Kottayam
12th percentile: 87%   March 2020
10th percentage: 88%   March 2018

Leadership Experience

ACM Students Chapter   Amritapuri, Kollam
Chairperson   May 2023 – Continuing
- Developing and executing chapter programs.
- Scheduling executive committee and council meetings.
- Successfully organized two workshops and currently working on an event management website for ACM and the School of Computing at Amrita College.

ACM Students Chapter   Amritapuri, Kollam
AI-Club, Mentor   September 2022 – Continuing
- Mentored and guided AI-Club members in projects and learning and organized AI and Machine Learning workshops.
- Collaborate on event planning and execution.

Projects

Deep Learning-Based Classification of Dementia Stages Using Brain Images   July 2023
- Trained using CNN, Predicts 4 stages of Dementia with 99% accuracy using brain MRI Images.
         Skills: Deep learning, Gradio, HuggingFace, Tensorflow

Disease Prediction Hub (Hackathon)   November 2022 - Continuing
- Uses AI and Machine learning to predict the onset and severity of various diseases like Breast cancer, Stroke and Heart failure.
         Skills: Machine learning, Gradio, HuggingFace, Scikitlearn, Matplotlib, Pandas

Involvement of AI in IVF   February 2022
- AI is used in the selection of better-quality embryos for implantation, and How AI can be used in the IVF Industry
         Skills: Research, Qualitative analysis

AI hacks for good (Hackathon)   October 2022
- Created ML models for predicting the Onset of Diabetes.
         Skills: Machine learning, Gradio, HuggingFace, Scikitlearn, Matplotlib, Pandas

Incode Hackathon   July 2023
- Creating an ideal ride-hailing experience website for Indrive.
         Skills: Fullstack development, Django, Html, CSS, GitHub.

Ibento (Group Passion Project)   May 2023 - Continuing
- Creating an Event management website for the college and Club.
         Skills: Backend development (Django), Html, CSS, GitHub.

[Autonomous Fire Extinguisher](#)   June 2023 - July 2023
- B-type Fire extinguishing robot, having 3 flame sensor and 1 IR temperature sensor, Navigates towards the flame and extinguishes it.
  Skills: Arduino Coding, IoT hardware configurations.

Research Projects

- Neurovascular Mapping of the Human Brain.
  Guided by Dr Amitava Mukherjee and Dr Georg Christoph Gutjahr (Amrita Vishwa Vidyapeetham)

- Robustness of Photo Response Non-uniformity based Camera identification.
  Guided by Dr Nimmy K (Amrita Vishwa Vidyapeetham)

- Implementation of Intelligent Tutor System in Rural areas of India.
  Guided by Dhivvya J P (Amrita Vishwa Vidyapeetham)

Professional Values

Diversity | Continuous Learner | Initiator | Adaptable | Results-Oriented | Integrity | Leadership

Skills

Programming Languages: Python | Java | Matlab | Html | CSS
Frameworks: Django | React | Gradio
Artificial Intelligence: TensorFlow | Scikit learn | Pandas | Numpy | Matplotlib | Seaborn | HuggingFac
Online Labs: Google colab | Anaconda | Github | Jupyter Notebook

Courses and Certifications

Professional Certificates:
- Kaggle - [Intro to Deep Learning](#) | [Intermediate Machine Learning.](#) | [Computer Vision](#)
- Cisco - [Intro to Cyber Security](#) | [Cyber Security Essentials](#).

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

Core Course Works: DAA | DSA | OS

Activities and Volunteering

AMRITA VISHWA VIDYAPEETHAM   Amritapuri, Kollam
Vidyut, Executive member 2023   May - 2023
- My duty involved managing accommodation arrangements for participants, ensuring their comfort, coordinating with hostels, organising check-ins, and addressing concerns

AMRITA VISHWA VIDYAPEETHAM   Amritapuri, Kollam
ICPC, Asia West Regionals Contest 2022   April - 2023
- Assisted in organising and running the Competition, This experience helped me develop strong organisational and communication skills while gaining valuable insights into event management

Languages & Interests

Languages: English (Full professional proficiency)
         Malayalam (Native or bilingual proficiency)
         Hindi (Professional working proficiency)

Interests: Artificial intelligence, Predictive Analysis, Data Analysis, IoT.