



# Adithya S Nair

✉ adithyasnair2021@gmail.com

📅 26/09/2002

📍 Karikkattukunnel(H), Chirakkadavu  
Centre P.O, Ponkunnam, Kottayam

☎ +918136859455

🌐 linkedin.com/in/adithya-s-nair

🐙 github.com/ADITHYASNAIR2021

## Profile

A passionate AI undergraduate student on a mission to drive the development of intelligent analytics solutions. With a proven track record of leadership skills as the Former Chairman of the ACM Student Chapter, Fostering collaborative efforts that embrace diversity and innovation. Thriving on challenges and consistently delivering solutions in intense and demanding environments.

## Education

09/2021 – present Amritapuri, Kollam, India	<b>B-Tech, Computer Science with Artificial Intelligence and Machine Learning</b> Amrita Vishwa Vidyapeetham Cgpa- 8.31
03/2019 – 03/2020 Ponkunnam, Kottayam, India	<b>Higher Secondary (AISSCE/ 12th)</b> Sreyas Public School and Junior College Percentage - 87%
03/2017 – 03/2018 Ponkunnam, Kottayam, India	<b>Senior Secondary (AISSE/ 10th)</b> Sreyas Public School and Junior College Percentage - 88%


## Professional Experience

06/2023 – 09/2023 Remote, India	<b>Virtual Internship Program, Cisco</b> Cisco & AICTE <ul style="list-style-type: none"><li>Analyzed the university's network topology, focusing on star topology and mapped the infrastructure using <b>Cisco Packet Tracer</b>.</li><li>Identified vulnerabilities through <b>attack surface mapping</b>, assessed risks like unauthorized access and data breaches and recommended security measures such as <b>VLANs, firewalls, IDP/IPS, and VPNs</b> to enhance network security.</li><li>Delivered a detailed <b>security assessment report</b> with proposed countermeasures and a <b>network topology diagram</b>.</li></ul>
07/2024 – 07/2024 Remote, India	<b>J.P. Morgan Software Engineering Job Simulation</b> J.P. Morgan and Forage <ul style="list-style-type: none"><li>Set up local dev environment and fixed broken files for correct web app output.</li><li>Used JPMorgan Chase's Perspective library to generate a live data feed graph for traders.</li></ul>
07/2023 – 09/2023 Remote, India	<b>British Airways Data Science Job Simulation</b> British Airways and Forage <ul style="list-style-type: none"><li>Scraped and analysed customer review data to uncover findings</li><li>Built a predictive model to understand factors that influence buying behaviour</li></ul>

## Leadership Experience

06/2024 – present Amritapuri, Kollam, India	<b>Member of Advisory Council, ACM, Amritapuri.</b> <ul style="list-style-type: none"><li>Provide guidance and oversee the club proceedings.</li><li>Employed Agile methodology.</li></ul>
05/2023 – 06/2024 Amritapuri, Kollam, India	<b>Chairperson, ACM Students Chapter</b> <ul style="list-style-type: none"><li>Developing and executing chapter programs and scheduling executive committee meetings.</li><li>Successfully organized two workshops and currently working on an event management website for ACM and the School of Computing at Amrita College</li></ul>

## Projects

04/2024 – 06/2024	<b>Inventory Optimisation Using DQN.</b> Developed an inventory optimization system for a single retailer using Deep Q-Network (DQN) to improve stock management and reduce costs. Skills: RL, DQN, Market Understanding.
08/2023 – 12/2023	<b>Visionary Controls of Computer Systems</b>  Gesture based computer control system with voice activated mode switching. Skills: OpenCV, NLP

01/2024 – 03/2024	<b>Credit Card Fraud Detection using Gaussian Naive Bayes</b> <a href="#"></a> This project implements a Gaussian Naive Bayes algorithm for detecting fraudulent credit card transactions.
06/2023 – 07/2023	<b>Deep Learning-Based Classification of Dementia Stages Using Brain Images</b> <a href="#"></a> Trained using CNN, Predicts 4 stages of Dementia with 99% accuracy using brain MRI Images Skills: Deep learning, Gradio, HuggingFace, Tensorflow
09/2023 – 11/2023	<b>Applicant Tracking System (ATS)</b> <a href="#"></a> Created ATS using the vectorization of the given job description and our resume to find the similarity between the keywords used. Skills: Scipy, Huggingface Models, NLP, Parsing, Tokenizing.
06/2024 – 07/2024	<b>Art Gallery Management System</b> <a href="#"></a> DataBase Management System (DBMS) Project for the Management of Art Galleries, having CRUD functions and a Special feature of custom SQL command execution. Skills: SQL, MariaDB, Xampp, PHP, HTML, CSS, JavaScript.
05/2024 – 06/2024	<b>ACM, Chapter Website</b> <a href="#"></a> ACM Students Chapter official Website. Created an Official ACM chapter website using Next JS, Tailwind CSS, and Chakra UI, concentrating more on the Front end and hosted on Vercel

<b>Skills</b>	
<b>Programming Languages</b> Python   Matlab   SQL	<b>Artificial Intelligence</b> ML   DL   RL   NLP   EDA   LLM
<b>Frameworks</b> Django   React   Gradio   Streamlit   Next JS   Tailwind   Node	<b>Professional Values</b> Leadership   Results-Oriented   Diversity   Agile   Continuous Learner   Initiator   Adaptable   Integrity
<b>Others</b> MLFlow   MongoDB   HF   MariaDB   Xampp	

<b>Community Outreach Programs</b>	
<b>Student Social Responsibility Project</b> We conducted a class on Introduction to AI and an awareness campaign titled 'Decoding AI' at Sreyas Public School, Kottayam and addressed the objective of the AI awareness gap and fostering equitable access to AI knowledge and opportunities.	

<b>Certificates</b>	
<ul style="list-style-type: none"><li>Computer Vision <a href="#"></a></li><li>bit.ly/certificate-repo <a href="#"></a></li></ul>	<ul style="list-style-type: none"><li>Cybersecurity Essentials Badge <a href="#"></a></li><li>DL for Images, Text with PyTorch</li><li>Data Visualisation: Empowering Business with Effective Insights <a href="#"></a></li></ul>

<b>Courses</b>	
09/2021 – present Kollam, India	<b>Related Course Work</b> DAA   DSA   OS   Advanced Computer Networks   MIS   IBS   Signals and Image Processing   PML   ROS   DRL   AI in Speech Processing   NLP   DL

<b>Volunteering</b>	
03/2023 – 05/2024 Kollam, India	<b>Vidyut</b> Core committee member '24 and Executive member 2023 My duty involved managing accommodation arrangements for participants, ensuring their comfort, coordinating with hostels, organising check-ins, and addressing concerns
01/2024 Kollam, India	<b>ICPC</b> Asia West Regional Finals '22 and 2023 Overall Coordinator, assisted in organising and running the Competition, this experience helped me develop strong organisational and communication skills while gaining valuable insights into event management

<b>Languages</b>			
<b>English</b> (Professional proficiency)	<b>Malayalam</b> (Native proficiency)	<b>Hindi</b> (Working proficiency)	<b>German</b> (Learning)

<b>Interests</b>			
• Artificial intelligence	• Predictive Analysis	• Data Analysis	• Singing