# ADARSH M NAIR

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Adarshmnair Adarsh4959

https://adarsh4959.github.io/

## PROFILE

An enthusiastic student from Amrita Vishwa Vidyapeetham with experience in web development, machine learning, and DevOps. Developed responsive web apps using JavaScript, HTML, CSS, and improved performance with AWS. Skilled in CI/CD (Jenkins, GitHub Actions), containerization (Docker, Kubernetes), and monitoring (Prometheus, Grafana). Proficient with IaC tools like Terraform and Ansible, with strong Git version control expertise. Dependable and team-oriented, dedicated to efficient software delivery.

## EDUCATION

**B-Tech in Electronics and Computer Engineering**
*Amrita Vishwa Vidyapeetham,Amritapuri,Kollam*
2020 – 2024 | Kerala, India

**BioMaths**
*Viswabharathi S N H S S, Njeezhoor , Kottayam*
2018 – 2020 | Kerala, India

## PROFESSIONAL EXPERIENCE

**Devops Engineer Intern**
*Strawket Learning Co Ltd*
11/2023 – 10/2024

- Utilized Terraform for infrastructure provisioning and managed AWS CI/CD pipelines to automate deployment processes.
- Developed and deployed a web platform connecting students and coaches globally, applying containerization and orchestration tools for scalability.
- Created "Find Me Courts," a booking website for sports courts, employing end-to-end DevOps practices for efficient deployment.
- Enhanced performance and reliability using AWS services, Docker, and Kubernetes, and maintained version control with Git.

**Web Development Intern**
*The Spark Foundation*
08/2022 – 09/2022

- Completed a one-month hybrid internship, developing and maintaining responsive web applications.
- Gained experience in front-end development using HTML, CSS, and JavaScript, focusing on creating engaging and interactive user interfaces.
- Collaborated with a team to enhance web application performance and optimize user experience.

## PROJECTS

**Medical Image Classification (X-rays, CT Scans, MRI)**
2024 – 2024

- Develop a deep learning model to classify medical images like X-rays, CT scans, or MRI scans to detect conditions such as pneumonia, tumors, fractures, or other abnormalities. Utilize Convolutional Neural Networks (CNNs) for image feature extraction and classification.
- **Tools & Technologies**: Python, TensorFlow or PyTorch, Keras, OpenCV, Scikit-learn, and datasets like Chest X-ray14, NIH Chest X-rays, or Kaggle's medical image datasets.

**Object Detection and People Counting with YOLO and SSD**
2023 – 2024

- Implemented an object detection system to identify and count people in images or video streams. Use advanced deep learning architectures such as YOLO (You Only Look Once) for real-time object detection and SSD (Single Shot Multibox Detector) for high-speed and efficient detection.
- **Tools & Technologies**: Python for programming, TensorFlow or PyTorch for model building and training, OpenCV for image and video processing, YOLO and SSD frameworks for detection, and pre-trained models such as YOLOv4 or SSD300 for fine-tuning on custom data.

**Sentiment Analysis for Product Reviews**
2022 – 2022

- Build a sentiment analysis tool that can analyze customer reviews and determine if the overall sentiment of a review is positive, negative, or neutral.
- For this project, the back-end is developed using Python to serve the sentiment analysis model and manage user input. The front-end will feature HTML/CSS and JavaScript and use a framework like React for a dynamic interface. Sentiment analysis will be performed using libraries like scikit-learn and deep learning frameworks to create custom models. Data will be stored in databases PostgreSQL.
- By the help of MatLab the graphical representation is been shown ,built commands like matplot lib is used to demonstrate the graph.

## SKILLS

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|---|---|---|
| **Python** | **AWS** | **Scrum & Kanban** |
| **HTML & CSS** | **Linux** | **Selenium** |
| **GraphQL** | **JavaScript** | **GitHub** |
| **React** | **Terraform** | **MachineLearning** |