



Rakshith Mahesh

✉ rakshithmahesh55@gmail.com

🌐 linkedin.com/in/rakshith-mahesh

🐙 github.com/Rakss1104

Education

PES University

2023-2027

Bachelor of Technology in Computer Science (CGPA 9.0/10)

Bengaluru, Karnataka

- **Relevant Coursework:** Data Structures and Algorithms (C), AWS, Prob & Stat in CS (Python), MERN stack, Linear Algebra w/ basic computational implementation(python)

Technical Skills

Languages: Javascript, Python, C, HTML/CSS

Frameworks: TensorFlow, React.js, Express.js, PyTorch, jQuery, Bootstrap, Node.js

Tools: VS Code, Jupyter Notebook / Lab, Github

Concepts: Data Structures, algorithms, AWS, MERN stack, Machine Learning

Projects

AWS S3 Portfolio Deployment | AWS S3 buckets, GitHub Actions, CI/CD, IAM, s3-sync-action

- Deployed a personal portfolio website using **AWS S3 Buckets** for scalable hosting.
- Implemented **CI/CD automation** with **GitHub Actions** for seamless updates on every push.
- Configured **IAM roles and S3 policies** to ensure secure access and controlled permissions.
- Enabled real-time file synchronization using **s3-sync-action**.

Travel-Story | React, Node.js, Express, MongoDB, Gemini API, Nominatim API, React-Leaflet

- Built a **full-stack travel blog** with **CRUD functionality** for managing travel stories with text, images, and locations.
- Integrated **AI-powered enhancements (Gemini API)** to refine user narratives.
- Implemented **geolocation mapping** (Nominatim API, React-Leaflet) to extract coordinates and visualize destinations interactively.
- Designed an intuitive **search feature** for discovering travel stories by location.

Handwritten Digit Recognizer | Python, TensorFlow, MNSIT dataset

- Developed a deep learning model to recognize handwritten digits (0-9) from images using the MNIST dataset.
- Built a Convolutional Neural Network (CNN) (3 layers) using TensorFlow to classify images, achieving an accuracy of 97%.
- Implemented model architecture with multiple layers including convolutional, pooling, and fully connected layers to extract features and classify digits effectively.

Certifications

Machine Learning: DeepLearning.AI Stanford University

Introduction to AWS: PESU IO - PES University

Deep Learning Essentials: Neural Nets with PyTorch: AURA PESU

The Web Developer Bootstrap: Udemy

Achievements

- **Three-time** recipient of the **Prof. CNR Rao Scholarship**, awarded for being in the top **25%** of students based on **SGPA**.
- Achieved **Top 5 finalist** position in the **Health-Tech Hackathon** organized by **Weal, the Health-Tech Club of PES University**.

Extra Curricular Activities

GronIT - Green Computing Club of PES University: Member of the Event Management Domain

Club Member: At Aikyayouth - one of the social service clubs of PES University

Class Representative: For 3rd and 4th Semester

Sports Engagements: Badminton, Chess

Corporate Social Responsibilities:

- Participated in organizing a Sports Day event for 5th to 8th standard students at a Government school.
- Engaged in a computer literacy session for 6th to 8th standard girls as part of the Samkirnika initiative.