

MOHAMED ARSATH

Full Stack Developer & AI Engineer

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Github | LinkedIn | Leetcode | GFG

Portfolio



EXPERIENCE

ShineLogics

Product Developer Intern

Jun 2024 – Dec 2024 Remote, Chennai

- Developing AI-powered interview tools to match users with the right job.
- Built an AI-powered cover letter generator using GPT-2, Llama, and Qwen-Chat with React & Flask.
- Created an AI-powered resume builder using the MERN stack to generate professional resumes.
- Optimized machine learning pipelines for better efficiency and scalability.

PROJECTS

Amazon Stock Price Prediction

Machine Learning

Jul 2024 – Sep 2024 KEC

Developed a stock price prediction system using LSTM models and hyperparameter tuning.

Built a complete pipeline for data preprocessing, model training, and evaluation.

Tech Stack: React, Python, TensorFlow, Pandas, NumPy, PowerBI.

GitHub Repo | Live Demo

Text-to-Image Generator

Machine Learning

Jul 2024 – Sep 2024 KEC

Built an AI-powered text-to-image generator using Stable Diffusion models.

Integrated React, TensorFlow, and Flask for seamless user interaction.

Tech Stack: React, Python, TensorFlow, Flask.

GitHub Repo | Live Demo

Plant Disease Prediction

Machine Learning

Mar 2024 – May 2024 KEC

Developed a CNN model using TensorFlow for accurate plant disease detection.

Created a Flutter-based mobile app to provide real time predictions.

Tech Stack: Flutter, Python, TensorFlow, Node.js.

CAREER OBJECTIVE

"Passionate about leveraging AI and full-stack development to create impactful solutions. Driven by curiosity, innovation, and a relentless pursuit of excellence in solving real-world challenges."

EDUCATION

B.Tech in AI & DS

Kongu Engineering College

2022 – 2026 Perundurai, Erode

- Current CGPA: 8.10*

Higher Secondary Education (HSC)

Erode Hindu Kalvi Nilayam

2022 Erode

- Percentage: 90.3%

Secondary Education (SSLC)

Carmel MHSS

2020 Erode

- Percentage: 73.8%

LEADERSHIP

Executive Member

CSI Club - KEC

2023 - 2025

- Organized multiple coding contests, and AI workshops.
- Led a team to organize events for club management.

CERTIFICATIONS

- Earned certification in AI, NLP, and computer vision.
- View Certification

Indian Election Analysis

Data Analysis

 Mar 2024 – May 2024
  KEC

Built **Power BI** dashboards to analyze **party performance**, **demographics**, and **voting trends**.

Conducted **data visualization** and **statistical analysis** to derive insights from historical election data.

Tech Stack: **Power BI**, **Pandas**, **NumPy**, **SQL**.

[GitHub Repo](#)

Hotel Management System

MERN Stack

 Jul 2024 – Sep 2024
  KEC

Developed a full-stack **hotel management app** using **React Native**, **Node.js**, **Express.js**, and **MongoDB**.

Enabled efficient **room booking** and **task assignments** with role-specific logins for clients, staff, and managers.

[GitHub Repo](#)
|
 [Live Demo](#)

Dairy Products Website

MERN Stack

 Sep 2024 – Dec 2024
  KEC

Led the development of a **full-stack e-commerce platform** for milk products, focusing on user-friendly shopping.

Tech Stack: **React**, **Express.js**, **Node.js**, **MongoDB**.

[GitHub Repo](#)
|
 [Live Demo](#)

OD Claimer

MERN Stack

 Sep 2024 – Dec 2024
  KEC

Built a **MERN application** for **on-duty requests** and **attendance tracking**.

Implemented **geotagged photo uploads** and **proof validation** for record updates.

Integrated **role-based access control** for students, faculty, and admins.

Tech Stack: **React**, **TailwindCSS**, **MongoDB**, **Node.js**.

[GitHub Repo](#)
|
 [Live Demo](#)

PUBLICATIONS

Predicting the Hardness of Low-Level Metal

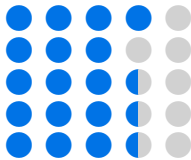
 2024

Conducted research on **machine learning models** for **material property prediction**.

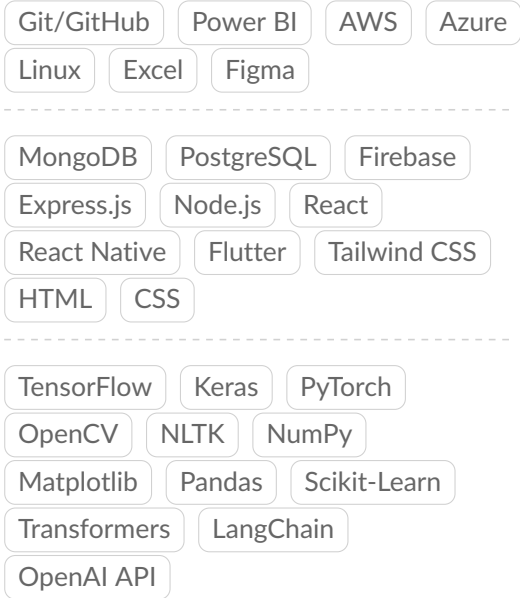
Published in an **conference journal**.

SKILLS









Java
 Python
 C
 JavaScript
 SQL



TECH STACK



ACHIEVEMENTS

- 
Finalist in HackSphere
 For developing a **Farmer & Consumer Chatbot** at KEC (Feb 2025)
- 
Project Expo Presenter
 Presented **On-Duty Claimer** at KEC's Ruby Year (Jan 2025)
- 
Finalist in HCS-II
 Java Coding Contest at KEC (Nov 2024)
- 
Finalist in POC
 Developed solutions for **On-Duty Claimer** at KEC (Nov 2024)
- 
Finalist in Ideathon
 Proposed an innovative idea for **On-Duty Claimer** at KEC (Oct 2024)
- 
Second Place in Paper Presentation
 Presented **Brain Tumor Analysis** at PSG Tech (Mar 2024)
- 
Second Place in Project Competition
 Developed **Smart Sweep Design** at PSG Tech (Mar 2024)
- 
Finalist in HackSphere
 Built a **Plant Disease Prediction model** at KEC (Mar 2024)