

MOHAMED FAIZAL A

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CAREER OBJECTIVE:

As a passionate and dedicated student, To leverage my skills in learning, adaptability, communication, creative thinking, and positive thinking in a professional environment. With experience working on various college projects, I aim to contribute effectively to organizational success while continually enhancing my knowledge and skills.

EDUCATION:

- B. Tech AI and DS | SIMATS ENGINEERING, Saveetha School of Eng, Chennai | **CGPA: 8.5 (2021-2025)**
- Grade 12 (HSC) | Sri Vikasa Vidyalaya Matriculation Hr. Sec. School, Madurai | Percentage: **91% (2020-2021)**
- Grade 10 (SSLC) | Sri Vikasa Vidyalaya Matriculation Hr. Sec. School, Madurai | Percentage: **84% (2018-2019)**

INTERNSHIP:

1) CORIZO | 5th April 2025 to 5th July 2025

➤ **Project Name: Web Development**

Gained practical experience with HTML, CSS, JavaScript, frameworks, contributed to real time projects and enhanced website functionality

PROJECT WORKS:

➤ SMARTBREEZE | 2024 | PYTHON

- Specially designed for greenhouses, this innovative system optimizes plant growth by precisely regulating environmental conditions.
- It will automatically adjust fan speeds based on real-time temperature (18-24°C / 64-75°F) and humidity (60-80%) data, it ensures ideal conditions for fostering healthy plants.

➤ SOIL EROSION DETECTION | 2024 | PYTHON

- Conceptualized and implemented a novel approach to address imbalanced datasets, achieving an excellent 87% accuracy (Deep Neural Network) surpassing previous research works.
- Developed a custom dataset using images sourced from the web, applying preprocessing techniques to prepare the data for analysis.

➤ SMART DUSTBIN | 2022 | ARDUINO

- The Smart Dustbin is an innovative waste management solution that uses sensors and IoT technology to monitor waste levels and alert authorities for timely collection.

PROFESSIONAL SKILLS:

- **Programming Skills:** Java, Python
- **Frontend Development:** HTML, CSS
- **Backend Development:** MySQL
- **Soft Skills:** Team Leader, Positive Thinking, Communication, Adaptable and Flexible

ACHIEVEMENTS:

- Participated and presented four research works in deep learning domain at the Star summit event which entered in American book of records conducted from 29th April 2024 to 4th May 2024 held at SIMATS Engineering, Chennai.
- Presented a paper entitled "Soil erosion and land degradation detection using deep learning" at the SRM INSTITUTE OF SCIENCE AND TECHNOLOGY 4th international conference.

CERTIFICATIONS:

1. Oracle Cloud Infrastructure 2024 Generative AI Certified Professional | ORACLE
2. TCS Ion Career Edge-Young Professional | TCS ION
3. Technical English for Engineers | NPTEL
4. NVIDIA's JETSON NANO (Workshop) | PANTECH E LEARNING
5. Cloud Essentials Knowledge Badge Assessment | AWS