Muhammed Afnan

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EDUCATION AND TRAINING

BACHELORS IN ELECTRONICS AND COMMUNICATION ENGINEERING

MUTHOOT INSTITUTE OF SCIENCE AND TECHNOLOGY [23/11/2021 - Current]

City: KOCHI | **Country:** India | **Website:** https://mgmits.ac.in/ | **Field(s) of study:** Engineering, manufacturing and construction: ● Electronics and automation | **Final grade:** 8.08 | **Thesis:** Velora: Tongue-motion wheelchair control using magnetic field sensors.

Link: https://drive.google.com/drive/folders/1jg1PsFumm1TnBo7jUoFugjHqlsIMV9ZM?usp=sharing

Objective:
To develop an assistive system for patients with tetraplegia and enhance their mobility.

HIGHER SECONDARY EDUCATION

christava mahilalayam public school [03/06/2019 - 15/03/2021]

City: KOCHI | **Country:** India | **Website:** https://www.mahilalayamschool.edu.in/publicschool/

SKILLS

Microsoft Word / Microsoft Excel / Microsoft Powerpoint / Sketchup 3D sketching software / IOT (Tiny OS, Thingspeak) / IoT sensors / Google Drive / Python Language - Basic knowledge / ESP8266 IoT / understand spoken English / Microcontrollers (Arduino and ESP32)

PROJECTS

[03/02/2023 - 25/05/2023]
VISTOSA
A portable device that generates various acrylic paint colors using primary colors (red, green, blue).Integrated peristaltic pumps controlled by microcontrollers to dispense precise amounts of paint.

[15/07/2022 - 17/10/2022]
THE LOOP
Developed a prototype model for an EV charging system powered by electromagnetic induction from speed breakers.Combined hardware-based energy generation with a software platform for monitoring electricity generated.

[06/03/2022 - 18/06/2022]
SSAS
SSAS-Simple Security Alarm System
Build a low-cost home security system that alerts users of potential intrusions.
Utilized PIR motion sensors and 8051 programming to monitor unauthorized movements and send alerts to the user.

RAKSHAQ
RAKSHAQ-A Hazard Detection System

Detect accidents and notify the nearest safety department for rapid response.
Integrated GPS, GSM, accelerometers, flame sensors, and other components to assess accident scenarios and send real-time alerts.

HONOURS AND AWARDS

[09/03/2024] Christ College of Engineering, Irinjalakuda
FIRST RUNNER-UP -IDEA PITCHING COMPETITION
It was the flagship event 'Rackn &Crack' of the Civil engineering department of Christ College of Engineering.Our proposed plan was about creating 3d models of coral reefs and planting on water bodies to collect microplastics.

Link: https://www.linkedin.com/posts/muhammed-afnan-02b008239_firstrunnerup-crowneplaza-sustainability-activity-7175140812970762240-w0t9?utm_source=share&utm_medium=member_desktop

[09/2023] MUTHTOOT INSTITUTE OF SCIENCE OF TECHNOLOGY AND SCIENCE
THIRD-INTRA COLLEGE IDEATHON COMPETITION
We became third at the intra college ideathon competition 'INCURSUS 'conducted by hashtag#ieee sb mits.

Link: https://www.linkedin.com/posts/muhammed-afnan-02b008239_ieee-ideathon-ieee-activity-7124027663580594176-CnZn?utm_source=share&utm_medium=member_desktop

[31/12/2023] MUTHOOT INSTITUTE OF SCIENCE AND TECHNOLOGY
FIRST IN INTER COLLEGE HACKATHON
ENERIYA' 24-hour Hackathon, where my team won the competition and it was organized by the Muthoot Institute of Technology as part of Shreshta'23, an intercollegiate Techfest held on March 31.

Link: https://www.linkedin.com/posts/muhammed-afnan-02b008239_hackathon-winners-electricvehicles-activity-7124013394445160448-ErOL?utm_source=share&utm_medium=member_desktop

[03/12/2022] SAINTGITS COLLEGE OF ENGINEERING
FIRST IN IDEATHON
Link: https://www.linkedin.com/posts/muhammed-afnan-02b008239_ideathon-innovation-problem-activity-7038893032498229248--D5b?utm_source=share&utm_medium=member_desktop

CERTIFICATIONS

[17/10/2023 – 24/02/2024]
APPLIED INDUSTRIAL IOT

SUCESSFULLY COMPLITED THE 6 MONTHS ONLINE COURSE PROVIDED BY L&T EDUTECH ON THE COURSE APPLIED INDUSTRIAL IOT

[03/01/2023 – 21/02/2023]
PYTHON FOR DATASCIENCE

AN ONLINE COURSE OFFERED BY IIT MADRAS.

MANAGEMENT AND LEADERSHIP SKILLS

INNOVATIVE CHAIR OF YUVA MITS

served as the wing chair and active member in the non technical club-Young Indians (YI) YUVA club of MITS in the year 2023-2024.

COMMUNITY SERVICE CHAIR OF ROTARACT CLUB MITS

Served as the community service chair in the term 2023-24 and has lead multiple community service programs like relief fund collection,voting awareness campaign,old age home donation,collection drive for orphanage field trips etc.

FOUNDER OF SPACE CLUB SIA-MITS

One among the four founding members of the space club SIA (Space Innovators Association)in our college .conducted multiple online and offline events like stargazing,space quiz,talk session etc.