Ruzaid Ahamed

Electro Technology Undergraduate · Web Developer · IoT & Industrial Automation Enthusiast

Aspiring Electrical Design and Industrial Automation Engineer — combining electrical engineering, industrial automation and software development.

ruzaitahamedzainudeen@gmail.com · +94 757 864 885 · Addalaichenai, Ampara, Sri Lanka
ruzait.github.io · github.com/ruzait · linkedin.com/ruzaid-ahamed

PROFILE

Electro Technology undergraduate at the University of Jaffna, Faculty of Technology, with a strong foundation in electrical machines, power systems, electronics and control. Works as a web developer — building and deploying production websites and a full-stack academic result management system. Interested in the intersection of electrical engineering and software: ESP32-based transformer monitoring, PLC ladder logic, and MATLAB/Simulink power system simulations.

EDUCATION

2023 – Present · Currently Pursuing

Bachelor of Engineering Technology (Honours) – BET (Hons)

University of Jaffna — Faculty of Technology

Undergraduate specializing in Electro Technology, with a focus on electrical systems, electronics, power technology and industrial automation.

2020 – 2022

G.C.E. Advanced Level – Technology Stream

Addalaichenai National School (MMV)

Completed Advanced Level studies in the Technology Stream with a focus on engineering-related subjects.

2009 – 2019

G.C.E. Ordinary Level (O/L)

Addalaichenai National School (MMV)

Completed primary and secondary education, building a foundation in science, mathematics and technology.

CERTIFICATIONS

- **Siemens PLC & TIA Portal Essentials**
  Packt · 2026
- **MEP Quantity Surveying**
  Eclipse Campus — TVEC Registered · 2026
- **Work Smarter with Microsoft Excel**
  Microsoft — Coursera · 2024
- **Introduction to Cybersecurity**
  Cisco Networking Academy · 2023
- **Front-End Web Development & Python Programming**
  University of Moratuwa — Centre for Open and Distance Learning (CODL) · 2022

TECHNICAL SKILLS

PROGRAMMING & AUTOMATION LANGUAGES
Python · JavaScript · Ladder Logic

FRONTEND DEVELOPMENT
HTML · CSS · JavaScript · React.js · Vite · Tailwind CSS

BACKEND DEVELOPMENT & DATABASES
Node.js · Express.js · REST APIs · MongoDB

ELECTRICAL & POWER ENGINEERING
Electrical Schematics · Electrical Machines · Power Systems · Electrical Installation

INDUSTRIAL AUTOMATION & CONTROL
Siemens PLC · TIA Portal · OpenPLC · Factory I/O · Ladder Logic

IOT & EMBEDDED SYSTEMS
ESP32 · Arduino · Raspberry Pi · Sensor Integration

ENGINEERING & DEVELOPMENT TOOLS
MATLAB · Simulink · AutoCAD · Git · GitHub · VS Code

LANGUAGES

Tamil	NATIVE
English	INTERMEDIATE
Sinhala	BASIC

EXPERIENCE

2024 – Present
Web Developer & Tech Enthusiast
Developed responsive web applications with HTML, CSS, JavaScript and React (Vite); deployed portfolio projects with optimized UI/UX; used Git and GitHub for version control.

2025 – 2026
Graphic Designer
Created visual content for Zips Campus and Atwax — marketing materials and promotional graphics.

2019 – Present
Python Problem Solver
Built automated scripts and small-scale applications for practical problem-solving, data processing and workflow automation.