



Mohith Ramesh

Software Developer · IoT Builder · MSc AI Student

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PROFESSIONAL SUMMARY

Electronics & Communication engineering graduate pursuing an M.Sc. in Artificial Intelligence at IU Berlin. Two-plus years of professional experience at a software startup, with hands-on expertise building IoT systems, embedded prototypes, and deployed web applications. Comfortable working from hardware sensor integration through to cloud-connected interfaces. Quick to learn, practical by nature, and actively seeking a working student position in Berlin.

PROJECTS

Face Recognition Home Security & Automation

Python · OpenCV · Arduino · GSM Module

- Face-recognition access control with automated door unlocking and intrusion detection
- Multi-sensor integration: motion, fire, and gas leakage with real-time SMS alerts

IoT Vehicle Collision Detection & Pollution Monitor

Arduino · ESP8266 · IoT Sensors · ThingSpeak

- Collision detection, alcohol sensing, and driver safety monitoring system
- Real-time pollution data streamed to ThingSpeak for remote monitoring

Smart Attendance System

Arduino · RFID · Fingerprint Authentication

- Two-factor verification combining RFID card and biometric fingerprint authentication
- Automated SMS notifications dispatched on successful check-in

IoT Hydroponics Automation System

ESP32 · Blynk · Sensor Integration

- Sensor-driven automated irrigation with remote water-level monitoring via Blynk

Portfolio & Client Website Development

Next.js · TypeScript · Tailwind CSS · Vercel

- Personal portfolio at mohithramesh.tech — custom dark-theme design with animations
- Client restaurant website built and deployed: lassi-grand.vercel.app

WORK EXPERIENCE

Software Development Engineer

Hackedin Solutions Pvt. Ltd. (Startup)

Sep 2022 – Nov 2024

📍 Bengaluru, India

- Supported software and embedded-system projects end-to-end in an agile startup environment
- Participated in client discussions, technical demonstrations, and solution planning
- Assisted in development and deployment of software solutions across multiple client projects
- Conducted introductory technical workshops and training sessions for undergraduate students

TECHNICAL SKILLS

PROGRAMMING

Python

JavaScript

TypeScript

C++

HTML/CSS

Verilog HDL

WEB DEVELOPMENT

Node.js

Next.js

REST APIs

Responsive Design

EMBEDDED & IoT

Arduino

ESP32

ESP8266

RFID

GSM Modules

Sensor Integration

Blynk

TOOLS & PLATFORMS

Git / GitHub

OpenCV

ThingSpeak

VS Code

LANGUAGES

English

Fluent

German

Beginner

Currently Learning

EDUCATION

M.Sc. Artificial Intelligence

IU International University

Berlin, Germany

Apr 2025 – May 2027

B.E. Electronics & Communication

Atria Institute of Technology

Bengaluru, India

2018 – 2022