

Adarsh H

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GitHub: <https://github.com/adarshh-create>

Objective

Aspiring software and hardware developer with a B.Tech in Electrical & Electronics Engineering, aiming to contribute to innovative tech projects. Adept at integrating electronics and coding, with hands-on experience in IoT, telemetry systems, and automation.

Education

B.Tech in Electrical & Electronics Engineering | Mar Baselios College of Engineering and Technology (Autonomous), 2021 – 2025| CGPA: 7.36 / 10

Class 12 (CBSE) | Sree Chithira Thirunal Residential Central School, Trivandrum | 2021 | 92.20%

Class 10 (CBSE) | Sree Chithira Thirunal Residential Central School, Trivandrum | 2019 | 83.20%

Skills

Programming & Tools: Python, Java ,C, PHP, HTML,CSS, JavaScript, MATLAB, MySQL, Keil, Proteus, Microsoft Office, PyCharm, Arduino ,Visual Studio code, IntelliJ IDEA

Design & Simulation: AutoCAD, Blender, KiCad, OpenRocket

Electronics & IoT: Circuit Design, Telemetry Systems, Sensor Integration

Soft Skills: Teamwork, Communication, Leadership

Certifications

- Data Analysis with Python (with badge) — IBM | May 2025
- Python for Data Science, AI & Development (with badge) — IBM | Nov 2023
- Complete Java Course –Knowledge Gate |June 2025
- Complete HTML and CSS Course – Knowledge Gate |June 2025
- Complete JavaScript Course – Knowledge Gate |June 2025
- Complete PHP Course-DataFlair |July 2025
- Introduction to Generative AI — Google Cloud | Apr 2025
- AWS Cloud Technical Essentials — Amazon Web Services | Apr 2023
- How to Get into Software Development — University of Leeds | Apr 2025
- Foundations of User Experience (UX) Design — Google | May 2023
- Introduction to Web Development — University of California, Davis | May 2023

Internships

YBI Foundation (Online-15 Days Internship) | Jun 2024

- Built machine learning models using real-world datasets. Enhanced Python programming skills.

BimLabs (7 Days Internship)| Oct 2023

- Created 2D/3D engineering drawings using AutoCAD. Collaborated on project workflows.

Projects

Ground Station for Model Rocketry | InSpace and ASI | Jun 2024 – Jun 2025

- Real-time telemetry monitoring of model rockets. Integrated XBee S2C modules for wireless communication.
- Designed ESP32-based ignition and monitoring system. Built web-based control interface.