



Md Atiqur **Rahman**



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PROFESSIONAL EXPERIENCE

1. Oct 2024 - March 2025 **TOPSeven** Drone R&D - Werkstudent Württemberger Str. 13, 26723, Emden, Germany

Tools & Technologies: Python, C++, Creality Scan, Pixhawk, CubePilot, Fusion 360, Java (Mavsdk), SITL Simulation, Piloting

- Assembled drones from scratch, integrating sensors, communication systems, and payloads.
- Configured firmware for flight controllers (e.g., Pixhawk, CubePilot).
- Developed an Android app for drone control using Java (Mavsdk).
- Utilized Fusion 360 for 3D modeling and prototyping custom components.
- Conducted rigorous testing and troubleshooting of drone systems.
- Simulated flights in 2D/3D environments using SITL.

2. Nov 2023 - June 2024 **Robot Aviation** Unmanned Systems Development and Testing Engineer Intern Flyplassveien 24, 3514 Hønefoss, Norway

Tools & Technologies: C++, Python, Bash Scripting, HTML, CSS, JavaScript, PHP, MySQL, SITL Simulation, 3d Printing, Piloting, NAS Cloud, Computer Networks

- Assembled drones from scratch, integrating sensors, communication systems, and payloads.
- Integrated advanced sensors like FLIR's radioactivity sensor into drones for real-time monitoring.
- Reduced ground station setup time by 70% using a custom Bash script.
- Built a web-based Flight Logger system using HTML, CSS, JavaScript, PHP, MySQL.
- Conducted test flights and performed troubleshooting.
- Simulated flights in 2D/3D environments using SITL.
- Designed and developed a secured multilayer cloud backup for the business.

3. July 2024 - Sept 2024 **Home & Marine** Network Testing Technician (Summer Student) Adam-Opel-Straße 15 28237 Bremen – Germany

Tools & Technologies: IP Networking, Network Configuration, Fault-Finding Tools, Microsoft Office

- Gained onshore maritime experience working on the network systems of a Disney Cruise ship.
- Conducted fault-finding and resolved technical issues related to hardware and networks.
- Documented test results and operational procedures to improve system reliability.
- Collaborated with senior engineers to implement upgrades and troubleshoot network infrastructure.

4. Jan 2018 - Nov 2019 **CodeFix IT** IT Support Engineer 34, Awal Centre, Level-4, Kemal Ataturk Avenue, Dhaka 1213

Tools & Technologies: Linux Servers, Networking Devices, Backup Solutions, C++, Python, HTML, CSS, JavaScript, Linux Server Management, Ticketing Systems, Computer Networks, Remote Management Tools

- Acted as a bridge between the development team and customers, providing technical support.
- Installed, configured, and maintained IT systems (servers, workstations, network devices).
- Diagnosed and resolved hardware, software, and network issues.
- Managed backups and implemented security protocols to protect sensitive data.
- Properly configured networks for effective use.
- Collaborated with clients to deliver tailored IT solutions.

PROJECTS

- Smart Workshop Solution: AI-Powered Assembly Guidance System. (AI Depth Camera, Augmented Reality, Python, Object Detection Algorithms)
- Facial Recognition Secured Access System. (ESP32, C++, Python, Machine Learning, Object Recognition Algorithms)
- [ConBot](#) - (Bash) - An automatic standalone script to configure Ardupilot and necessary simulation environments, streamlining the setup process for unmanned systems, contributed to the Ardupilot community.
- [Flight Logger](#) (HTML, CSS, JavaScript, PHP, MySQL) - Flight Log Management System to track drone flight logs, operator activity, and flight hours, featuring an interactive interface.
- [IoT-Based Control & Security System With Real-time Monitoring & Notification](#). (C++, HTML, CSS, Javascript) **[Won 2nd prize at Intra University Project Competition]**
- [IoT Weather Station](#). (C++, HTML, CSS, Javascript)
- Automatic Irrigation System. (C++)
- Industrial Sorting Machine Prototype. (C++)
- Smart Home Automation. (C++, HTML, CSS, Javascript)
- GSM Remote Controlled Irrigation System. (C++)
- Biometric Attendance System. (C++, PHP, MySQL)

EDUCATION

[Hochschule Emden/Leer](#)
Master of Engineering

[Industrial Informatics - Cyber Physical Systems](#) (Ongoing)

[University of Oslo](#)
Master of Science

[Programming and System Architecture](#) (Discontinued, Thesis remaining)

[University of Development Alternative](#)
Bachelor of Science

[Computer Science & Engineering](#)

VOLUNTARY / OTHER EXPERIENCE

Founding president of a community organization “[Hridoye Bangladesh](#)” for about 400+ Members in Norway.

Daglig Leder of the Board of Directors at [Kringjå Cricket Club](#) in Norges Cricket Forbund.

Freelance [Photographer](#).

REFERENCES

[Niklas Nyroth](#)

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