



Md Atiqur **Rahman**



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**PROFESSIONAL EXPERIENCE**

1.	May 2025	Beagle Systems	Drone Pilot & Technician	Neumann-Reichardt-Straße 27-33, 22041 Hamburg
<b>Tools &amp; Technologies:</b> Drone Piloting, Maintenance, Assembly, Operations				
<ul style="list-style-type: none"><li>Conduct drone piloting operations.</li><li>Handle technical maintenance and assembly tasks.</li><li>Deploy drones to customer infrastructure for operational purposes.</li><li>Collaborate with a dynamic team in an innovative startup environment.</li></ul>				
2.	Oct 2024 - March 2025	TOPSeven	Drone R&D - Werkstudent	Württemberg Str. 13, 26723, Emden, Germany
<b>Tools &amp; Technologies:</b> Python, C++, Creality Scan, Pixhawk, CubePilot, Fusion 360, Java (Mavsdk), SITL Simulation, Piloting				
<ul style="list-style-type: none"><li>Assembled drones from scratch, integrating sensors, communication systems, and payloads.</li><li>Configured firmware for flight controllers (e.g., Pixhawk, CubePilot).</li><li>Developed an Android app for drone control using Java (Mavsdk) .</li><li>Utilized Fusion 360 for 3D modeling and prototyping custom components.</li><li>Conducted rigorous testing and troubleshooting of drone systems.</li><li>Simulated flights in 2D/3D environments using SITL.</li></ul>				
3.	Nov 2023 - June 2024	Robot Aviation	Unmanned Systems Development and Testing Engineer Intern	Flyplassveien 24, 3514 Hønefoss, Norway
<b>Tools &amp; Technologies:</b> C++, Python, Bash Scripting, HTML, CSS, JavaScript, PHP, MySQL, SITL Simulation, 3d Printing, Piloting, NAS Cloud, Computer Networks				
<ul style="list-style-type: none"><li>Assembled drones from scratch, integrating sensors, communication systems, and payloads.</li><li>Integrated advanced sensors like FLIR's radioactivity sensor into drones for real-time monitoring.</li><li>Reduced ground station setup time by 70% using a custom Bash script .</li><li>Built a web-based Flight Logger system using HTML, CSS, JavaScript, PHP, MySQL .</li><li>Conducted test flights and performed troubleshooting.</li><li>Simulated flights in 2D/3D environments using SITL .</li><li>Designed and developed a secured multilayer cloud backup for the business.</li></ul>				
4.	July 2024 - Sept 2024	Home & Marine	Network Testing Technician (Summer Student)	Adam-Opel-Straße 15 28237 Bremen – Germany
<b>Tools &amp; Technologies:</b> IP Networking, Network Configuration, Fault-Finding Tools, Microsoft Office				
<ul style="list-style-type: none"><li>Gained onshore maritime experience working on the network systems of a Disney Cruise ship.</li><li>Conducted fault-finding and resolved technical issues related to hardware and networks.</li><li>Documented test results and operational procedures to improve system reliability.</li><li>Collaborated with senior engineers to implement upgrades and troubleshoot network infrastructure.</li></ul>				
5.	Jan 2018 - Nov 2019	CodeFix IT	IT Support Engineer	34, Awal Centre, Level-4, Kemal Ataturk Avenue, Dhaka 1213
<b>Tools &amp; Technologies:</b> Linux Servers, Networking Devices, Backup Solutions, C++, Python, HTML, CSS, JavaScript, Linux Server Management, Ticketing Systems, Computer Networks, Remote Management Tools				
<ul style="list-style-type: none"><li>Acted as a bridge between the development team and customers, providing technical support.</li><li>Installed, configured, and maintained IT systems (servers, workstations, network devices).</li><li>Diagnosed and resolved hardware, software, and network issues.</li><li>Managed backups and implemented security protocols to protect sensitive data.</li><li>Properly configured networks for effective use.</li><li>Collaborated with clients to deliver tailored IT solutions.</li></ul>				

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

<a href="#">Hochschule Emden/Leer</a> Master of Engineering	<a href="#">Industrial Informatics - Cyber Physical Systems</a> (Ongoing)
<a href="#">University of Oslo</a> Master of Science	<a href="#">Programming and System Architecture</a> (Discontinued, Thesis remaining)
<a href="#">University of Development Alternative</a> Bachelor of Science	<a href="#">Computer Science &amp; Engineering</a>

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

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