ZARIN RAHMAN MOHIMA

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EXPERIENCE

Graduate Research Assistant — Aug 2025 - present
New Mexico State University — *Las Cruces, NM*

- Working on sliding scale autonomy for underwater robots in maritime applications.
- Trying to implement dialectical explainable AI for Search and rescue operations

INTERNSHIPS

Supply Chain - ULIP Intern — Aug 2023 - Nov 2023
Unilever Bangladesh Limited — *Dhaka, Bangladesh*

- Creating digital twins to eliminate manual tasks in the Supply Chain, MDM Team
- Identifying irregularities in daily norm generation process and automating the process
- Developing new Primary Sales Achievement Tracker

Solution Architect - e-zone HRM Limited — Mar 2023 - Jul 2023
Huawei Bangladesh Limited — *Dhaka, Bangladesh*

- Configuring the Huawei cloud management software
- Designing cloud architecture for cloud security protection

Software Tester and QA – Product & Development Team — Mar 2021 - May 2023
Master WiZR — *Remote, Norway*

- Black box testing and review of SRS documents
- Practiced Agile Methodologies to provide project feedback
- Project and team management through Jira

EDUCATION

Masters of Computer Science, New Mexico State University — Aug, 2025 - Present
Graduate Research Assistant under the supervision of Dr. Venkata Sirimuvva Chirala

Bachelor of Computer Science & Engineering, BRAC University — Jan, 2019 - Jan, 2023
Graduated with CGPA 3.63 out of 4.00
Named in the DEAN's list for 2 Semesters Named in the VC's list for 4 Semesters

Higher Secondary School Certificate, Viqarunnisa Noon School & College — 2016 - 2018
Graduated with CGPA 5.00 out of 5.00

Secondary School Certificate, Viqarunnisa Noon School & College — 2006 - 2016
Graduated with CGPA 5.00 out of 5.00 with talent pool scholarship

SKILLS

Programming Languages	Python, JAVA, C++, JavaScript
Tools	Jupyter Notebook, VS Code, IntelliJ, Selenium, Postman, Power BI, WeBots
Others	MATLAB, Tensorflow, Pandas, NumPy, Scikit-learn, LaTeX

RESEARCH EXPERIENCE

Assessing Security Vulnerabilities and Mitigation Strategies in the NFT Gaming Industry: An In-Depth Analysis
Undergraduate research as first author (Thesis)

PROJECTS

Ethereum Fraud Transaction Detection – Python. Detecting fraud transactions on Ethereum-based accounts using Hybrid ML and Neural models.

Object Detection Robot – C++, WeBots. A specially built robot that can find objects in its path. If an item approaches closely, the robot has the ability to turn away.

NormTool – Python, Pandas. Automate NormTool website with Selenium, python and generate report as per business need.

Quiz App (Quiz-bizz). JAVA/Kotlin android App with Firebase used as database. Give MCQ quiz in a android application.   (GitHub Link)

Line Following Robot – Python, WeBots. A custom-made Robot that can follow and go through a curve or a straight line without crossing the track.

News Website - React. A responsive website where a user can view news from API Frontend with ReactJS, using API to return data   (GitHub Link)

CO-CURRICULAR ACTIVITIES

- **Women in Tech – Huawei (2024)**
  Selected as a finalist in the Huawei Flagship program Women in TECH, a platform to groom the top female talents pursuing career in STEM

- **Technology Panel Member 2022 (Virtual)**
  California State University - East Bay
  Assisting aspiring female STEM students in career shaping

- **Supernova 2.0 – British American Tobacco (2022)**
  A platform to groom female talents pursuing career in STEM with the spirit of empowerment

- **HULT Prize onCampus 2022**
  Semi-Finalist
  Digital Business Solutions to marginalized and underprivileged people by transforming e-waste into consumable goods

- **Blockchain Olympiad Bangladesh – 2022**
  Top 50 Nationals — Finalist
  Ensuring a secured Decentralized Tax Verification System using Blockchain Technology