

Aurny Das Priya

+601-4601-5926 aurnydaspriya@gmail.com  @Aurny_Das_Priya
SH1, Desasiswa Lembaran, Nibong Tebal, Pulau Penang, Malaysia 14300



INTERNSHIP APPLICANT FOR INTEL FROM JUNE/JULY ONWARDS.

TECHNICAL SKILLS: Microsoft Office, VS Code, LKNavigator, Spreadsheet, Ansys, Solidwork, Python, Public Speaking, Risk analysis, Data Visualization, Cost-benefit analysis, ROS2, Arduino IDE, CATIA, Minitab, Anova, IBM SPSS, LMS Spectrum Analyzer,

LANGUAGES: Fluent: Bangla (native language), English; Communicative Level: Urdu, Hindi; Learner Level: Japanese, Malay

EDUCATION:

S.F.X. GREENHERALD INT. SCHOOL

2009-2020

- From KG 2 to O-levels. Captain of basketball and Volleyball teams. Served as the senior patrol leader in Scouting. Treasurer in Computer Club.
CGPA: 3.97/4

LOREETO SCHOOL DHAKA

2020-2022

- From 11th to 12th grade. President of Loreeto School's Community Service Club, Treasurer of Mathematics Club.
CGPA: 4/5

UNIVERSITY OF SCIENCE MALAYSIA

2023-Present

- 3rd year Mechanical Engineering student. (Dean List Awardee consecutively 4 years); 3.67CGPA.**
- Study Exchange in Hochschule Stralsund, Germany, September to October 2025**
- Undergraduate Researcher for Funded Intel Project.**
- Chairperson of Women in Engineering USM**
- Chairperson, Ex-President and Co-founder of ASME USM CHAPTER**
- Winner of ROBOCON Mini Robot Competition 2024**
- Lead of Recovery in Wau Rocetry; CAD and Software Engineer in WAU Rocetry.**

WORK EXPERIENCE:

Research Assistant | Electrical Vehicle and Battery Swapping | (July 2025 - September 2025)

- Assisting on research project. Helping in doing the simulations using **Catia and Solidwork** and testing.
- Learn about RydeEV, Blue Shark, battery swapping vehicles (BSV) and battery electric vehicles (BEV) compared to internal combustion engine (ICE) motorcycles.
- writing the research papers on **Battery Swapping and Electrical Vehicle Automated Driving Cycle Testing.**
- writing for **publications** in **Elsevier.**

Research Internship | Silicon Chip Warpage Simulation | Intel Corporation (March 2025 - July 2025)

- Utilising **Ansys** and **Solidwork** in order to conduct the research on the **warpage of the silicon wafer** with different size, materials and Thermal conditions. Utilising **EDAX** Reports for the R&D research.
- Working alongside with the professors and graduate student. The every updates are supervised and verified by the Intel Corporation. **Consistent discussions are done with the company. The project is supervised and sponsored by Intel.**
- Use the **Laser Displacement equipment** and **LKNavigator** to study and record the deviation data..
- (Self Project)** Calculating the **Percentage of elements in a wafer page using the EDAX report** using mathematical calculations, creating own material in Ansys **Engineering Data** in order to research the warpage of different wafers made with different element percentages.

Founder | myclosetBangladesh (2022-2024)

- Collaborating with several popular influencers to promote the store's products, leading to a significant increase in visibility and sales. Successfully **increased social media followings by 300% within the first year of managing the accounts.**
- Built strong relationships with suppliers in China to ensure the authenticity store's products. **Trained and, managed two social media moderators,** effectively delegating tasks and ensuring the smooth operation of the store's online presence.

INTERNATIONAL HONORS/AWARDS:

(International) Third Position - Teknofest Category A International Rocketry Competition, Turkey (2025)

- Hold the position as the **Leader of the subteam**. Communicated and guided my team throughout the competition. Took over the role of writing all the reports.
- tested **5 types of parachutes**. Self designed parachute was utilised for the competition.
- **Team designed deployment bag was utilised for the competition**.
- Consistent high performance in every stage of the completion. The only sub team with the highest score in all the rounds of the completion.

(International) Harvard Youth Leadership Summit (2024)

- Passed the selection rounds. Focused on developing a **product to aid paralyzed stroke patients**.
- refining our ability to articulate the product's benefits and impact. Despite not winning the impact Challenge, we still **secured one of the top positions**.

(International) Gold Finalist Awardee - Commonwealth Essay Competition by Royal Commonwealth Society (2023)

- **One of the awardee of 101 out of 34,842 applicants**.
- **One of the two title winners from Bangladesh** of year 2023 and one of the six Bangladeshis who won till this day.

(International) Immerse Education Essay Competition Runners Up - (2022)

- Runners Up for a 2 week residential programme in Engineering at **University of Cambridge** with **70% scholarship**.
- **Research essay on Extended Reality and their machine learning**.

EXTRA-CURRICULAR AND VOLUNTEERING ACTIVITIES:

Co-Founder and President – ASME USM Chapter

- Led collaborations with international organizations, including the Aspire Institute (founded by Harvard Business School).
- Organized a global sharing session with over 400+ participants from UTM, USM, UMM, UM, and countries including Bangladesh, Australia, USA, and Germany.
- Currently directing the chapter's efforts in the SHELL Eco-Marathon, including the design and manufacturing of an electric vehicle.
- Initiating corporate partnerships to enhance pre-internship programs, industrial visits, and future competitions for USM students.

Chairperson - Women in Engineering IEEE, USM Student Branch

- Implemented IEEE technical workshops for WIE members, conducted over a four-week period.
- Organized hands-on workshops on circuits and electronics, guiding middle school students in building a piano using ESP32 to encourage interest in engineering among young girls in various schools all over Penang.
- Led teams in international competitions under CubeSat categories, including Teknofest and the Dyson Award competitions.
- Led and managed five departments, overseeing the planning and execution of events within each unit.
- Maintained official correspondence with the IEEE Society.

Secretary, Team Lead, Software & CAD Engineer of Recovery Team in Rocketry Club (2023 - Present)

- Designing and manufacture propellant systems. Utilising **Ansys**.
- Manufacturing recovery systems such as parachutes or airbags for safe landing. Utilise **Solidwork** for designing
- Collaborating with other engineering disciplines for integrated design and testing
- Application of **Python** in the creation of circuit boards and ensuring their functionality within the rocket's constraints.
- Participating in rocket launches, monitoring avionics performance during flights, and analyzing telemetry data post-flight.

President, Loreto Community Service Club (2021 - 2022)

- Holding workshops on Ragapradhan Gaan, doing charity concerts and teaching underprivileged children after school.
- Organised a project called "hang a cloth for a stranger" in Mohammadpur. Organizing a cultural food festival twice a year with volunteers. Collaborating with other community organizations to address common challenges.

SOFT SKILLS: Critical thinking; Good judgement; Work Ethics; Interpersonal Skills; Active listening, Fast Adaptability; Creative.