



Skills

Materials Science

Used **heat treatment** techniques and **corrosion** testing of metals and non-metals, utilized **foundry** practices, done research in **polymer-ceramic composites**.

Mechanical

Used **3D printing** and **laser cutting** to rapidly prototype parts, Used some **metal joining and removing techniques** in assignments and measured **strength of materials**.

Computer Aided Design

Used **SolidWorks, AutoCAD** on various projects involving GD&T, FEA Analysis, sheet metal design and plastic injection molding.

Web Development

Completed more than 15 projects using **Tailwind, React, Next, Vue, ThreeJS** and other libraries and frameworks. Used **Firebase** and **mongoDB** as databases.

UI Design

Designed creative artwork, logo, t-shirt and banner using **Adobe Illustrator**. Edited and retouched photos using **Adobe Photoshop and Lightroom**.

Miscellaneous

Proficient in **Microsoft Word, Excel** and **PowerPoint**. Used **MatLab** and **C++** in academic assignments.

Language Proficiency

Bangla, English, Hindi, Urdu

Sk Sartaz Ahmed Bony



Materials Engineer



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Career Objective

I would like to start my career at an organized company where I can learn and grow my potential in that particular field. I expect to see a growth in my career with increasing responsibilities for the organization.

Education



Rajshahi University of Engineering & Technology, Rajshahi –
*Bachelor of Science in **Materials Science & Engineering***



January 2018 – October 2023



CGPA – 3.49



Khulna Public College, Khulna – *SSC & HSC*



January 2014– November 2017



GPA – 5.00(SSC & HSC)

Experience



Shahriar Steel Mills Ltd. (SSRM) – Trainee
(April 2022 – May 2022)

Topics Covered: Induction Furnace, Continuous Casting Machine (CCM), Rolling Mill, Different types of tests (OES, UTM), Air Pollution Control (APC), Cooling bed and different types of workshops (CNC machine, Lathe machine)



Bangladesh Council of Scientific and Industrial Research (BCSIR) – Trainee
(March 2022 – April 2022)

Topics Covered: Different types of characterization tools (OES, UTM, SEM TEM, XRD Uv-Visible, DTA and DSC)



Bangladesh Technical Educational Board – Land Surveyor Training
(February 2019 – September 2019)

Topics Covered: Land measurement, Papers processing, unit variation, mapping, map design etc.

Extra-curricular

- ★ Worked as Mechanical Crew (Chassis) at **Team Annexe RUET** (Automotive society in RUET that participates in International automotive competition) and attended **Formula Student Czech Republic 2020**.
- ★ Runners up at on Campus Business Idea Competition **Hult Prize 2019** (World's largest student social entrepreneurship competition)
- ★ Participated on Campus Case Competition **RUET IPE Day 2019**
- ★ Active Member of Photographic Society and CAD Society (**RUET**) since 2018
- ★ Organized Reception Program of Immediate Seniors for 90 People in Campus and Volunteered in Events

Undergraduate Thesis & Project

- 🎓 **Thesis on** — “Performance and Property Enhancement of Epoxy Asphalt Composites”
Asphalt concrete is the primary material of choice for road construction. In this research the load-bearing capabilities of the composite material was enhanced, resistance to water absorption was also increased.
- 🎓 **Project on** — “Designing and Constructing a Ball Mill Grinder and Programming it Using Arduino Uno”
A ball mill is a type of grinder used to grind or blend materials into fine particles. Arduino Uno is an open-source microcontroller board based on the Microchip ATmega328P microcontroller.

Certifications

- ★ **Google** (Digital Unlocked) — Completion of “The Fundamental of Digital Marketing” Exam
- ★ **Dassault Systèmes** — Certified Solidworks Associate
- ★ **Hult Prize Foundation** — Runners up at on Campus Business Idea Competition
- ★ **Bangladesh Technical Educational Board** — Land Surveyor Certificate (Aminship)
- ★ **Google** (grasshopper) & **Sololearn** — Certificates of Completion of JavaScript language Exams

Interests

- ♥ Ceramics
- ♥ Metals
- ♥ Laser Engraving
- ♥ Polymers
- ♥ Web Development
- ♥ UI & UX Design
- ♥ Computer Aided Design
- ♥ Photography
- ♥ 3D Printing

References:

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