Sk Sartaz Ahmed Bony

🎓 Materials Engineer
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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

Career Objective

I am seeking to advance my career at a well-organized company where I can further develop and enhance my skills. I aim to contribute effectively to the organization's success and achieve career growth through progressively increasing responsibilities and challenges.

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)

Work Experience

💼 **BSRM-** (Bangladesh Steel Re-Rolling Mills Ltd.)

Engineer (Quality Control and Management) - (May 2024 – Present)
Chemistry control by optical emission spectrometer machine, physical Inspection of finished products, laboratory tests of materials.

💼 **EcomClips -** (A Data Driven Ecommerce Automation Solutions Company)

Project Manager- (February 2024 – April 2024)
Search engine optimization, website performance optimization and Google Ads management for United Kingdom based businesses.

Training

★ **Shahriar Steel Mills Ltd. (Steel Re-rolling) -** Intern (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

★ **Host the Website - (Digital Marketing) -** Intern (October 2023 – January 2024)

   Topics Covered: Search Engine Optimization, Email Marketing.

Extra-curricular Activities

★ 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**

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** — "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

References:

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