



MD. SAADMAN SAKIB ALVI

Graduate EEE Student

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About Me

I am a graduate in Electrical and Electronic Engineering with professional experience in project management, engineering and executive internships, and creative roles. As Senior Project In-Charge at Ahsan Real Estate Limited, I gained strong leadership and organizational skills, while my trainee and internship roles built a solid technical foundation in engineering practices. Earlier experience in design and content planning further strengthened my communication, problem-solving, and teamwork abilities. This combination of technical expertise and project coordination skills enables me to adapt to diverse roles and contribute effectively to organizational success. I am motivated to apply my knowledge and grow within any dynamic workplace.

Personal Details

Date of Birth
October 26, 2002

Nationality
Bangladeshi

Blood Group
A+

Marital Status
Married

Language Proficiency

Bangla: Native
English: Fluent
Hindi: Conversational

Work Experience

Ahsan Real Estate Limited
Senior Project In Charge
March 2025 - Present

Techno Power Electric Bangladesh Limited
Executive (Internship)
December 2024 - February 2025

TOS Electric Company
Trainee Engineer
September 2024 - November 2024

Skill Shikhun
Content Planner(Team Lead)
January 2022 - October 2022

Step 2 Digital
Designer
December 2021 - February 2022

Academic Background

Bachelor of Science
Electrical and Electronic Engineering
Brac University
Passed: 2024

Higher Secondary Certificate (HSC)
Rajuk Uttara Model College
Passed: 2019

Secondary School Certificate (SSC)
Ideal School and College
Passed: 2017

Skills & Specializations

Technical & Software Skills

Programming & ML: Python (NumPy, Pandas, Matplotlib), C, Embedded C, Scikit-learn, PyTorch, TensorFlow
Engineering & Simulation: Proteus, Pspice, Arduino, AutoCAD, Fusion 360, MATLAB
Design & Media: Adobe Premiere Pro, Photoshop, After Effects, Lightroom
Documentation & Tools: LaTeX, Microsoft Office Suite

Professional & Organisational Skills

Project Management & Coordination
Team Leadership & Supervision
Stakeholder Communication & Client Interaction
Problem-Solving & Strategic Thinking
Research, Reporting & Technical Documentation

Interest
<ul style="list-style-type: none"> - Project coordination - Financial management - Electronics projects - Design and video editing - Photography and visual storytelling - Art and creative sketching - Community volunteering - Travel and cultural exploration

Honors & Awards
<div> <div>Winner in Unconquerable</div> <div>Awarded for securing the first position in Color Smash 2022 arranged by by Brac University Adventure Club, 2022</div> </div> <div> <div>Best Volunteer Award</div> <div>Issued by Rajuk College Photography Club in NPCE, Jan 2017</div> </div> <div> <div>Champion in Rajuk Intra Talent Hunt 2017</div> <div>Awarded for securing the first position in photography (mobile) In Rajuk Intra Talent Hunt 2017 arranged by Rajuk Uttara Model College.</div> </div> <div> <div>SSC Talent pool Scholarship</div> <div>Outstanding performance in SSC Examination 2017</div> </div>

Pulications

<div>Farhan Ahmad Nafis, Nahiduzzaman Akib, Gourab Saha, Md. Saadman Sakib Alvi, Md. Imtiaz Ahammed, Affifa Jahan Anonna, “An Efficient IoT-based Fire Detection System Using Quantized Deep Learning Model on Resource-Constrained Devices,” 27th International Conference on Computer and Information Technology (ICCIT 2024), Bangladesh. DOI: 10.1109/ICCIT64611.2024.11021729.</div> <div>Md. Saadman Sakib Alvi, Farhan Ahmad Nafis, Nahiduzzaman Akib, Sk Tahmed Salim Rafid, Affifa Jahan Anonna, Gourab Saha, “Voting and Stacking-based Ensemble Methods to Detect Bengali Spam SMS with Proposal for Comprehensive Dataset,” 4th International Conference on Electrical, Computer and Communication Engineering (ECCE-25), Chittagong, Bangladesh. DOI: 10.1109/ECCE64574.2025.11013231.</div> <div>Farhan Ahmad Nafis, Md. Saadman Sakib Alvi, Sk Tahmed Salim Rafid, Nahiduzzaman Akib, Affifa Jahan Anonna, Gourab Saha, “A Reliable Robotic Solution for Hospital Logistics: Implementation of Intelligent Pathfinding and Control Strategy,” 4th International Conference on Electrical, Computer and Communication Engineering (ECCE-25), Chittagong, Bangladesh. DOI: 10.1109/ECCE64574.2025.11013144.</div>
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Project

<div>The Factory Floor</div> <div>A documentary flim uncovering Bangladesh garment workers' hardships, including wage disputes, health risks, and workplace harassment. It also highlights efforts by two organizations aiding these workers.</div>
<div>CardiSim: A Cost-Effective Electrocardiogram Simulator for Medical Training and Research</div> <div>CardiSim is an innovative, budget-friendly ECG simulator designed to provides a realistic and versatile platform for researchers to simulate various ECG patterns facilitating a deeper understanding of cardiac diagnostics.</div>
<div>Machine Learning for Email Spam Classification: A Comparative Analysis</div> <div>Implemented various machine learning models including Decision Trees, k-Nearest Neighbors (KNN), Logistic Regression, and Naive Bayes for email spam classification. Evaluated their performance in a comparative analysis to identify the most effective model.</div>

Leadership & Volunteering Experience

<div>Branch Treasurer of IEEE BRAC University Student Branch</div> <div>Managed accounts, budgets, reports, and coordinated fundraising activities with the Branch Chair and Counselor in 2023</div>
<div>Volunteer for Quality Journal Publications Award Ceremony</div> <div>Assisted in organizing the Quality Journal Publications Award Ceremony, Brac University, Feb 2024</div>
<div>Volunteer for 4th AAP & IAP Meeting</div> <div>Assisted in organizing the 4th Alumni Advisory Panel and Industrial Advisory Panel Meeting, Brac University, August 27, 2023</div>
<div>Assistant College Captain for Session 2017-18 of RUMC</div> <div>Performed as an Asst. College Captain and completed all the duties and responsibilities entrusted to him, June 25, 2019</div>
<div>General Secretary for Rajuk College Photography Club</div> <div>Assisted as a member of the organizing body of RCPC to reach sustainable development of the club growth, 2018</div>
<div>Volunteer for Amaar School</div> <div>Assisted to reach sustainable development goals by educating underprivileged students, Amaar School, February 10, 2018</div>
<div>Volunteer for Change Team Foundation</div> <div>Assisted for creating awareness for planting trees, Change Team Foundation, July 16, 2016</div>

References

<div>Sk Tahmed Salim Rafid, Lecturer, Dept. of EEE, Brac University, Bangladesh Email:rafid.salim@bracu.ac.bd Contact: +8801315-352025 Website: https://www.bracu.ac.bd/about/people/sk-tahmed-salim-rafid</div>
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