

Srabonti Deb

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Education

Rajshahi University of Engineering & Technology (RUET) 2019-2024

Bachelor of Science in Computer Science & Engineering (CGPA: 3.43 / 4.00)

- **Relevant Coursework:** Linear Algebra, Data Structures and Algorithms, Object Oriented Programming, Discrete Mathematics, Database Management, Applied Statistics & Queuing Theory, Digital Image Processing, Neural Network and Fuzzy System, Artificial Intelligence, Data Mining.
- **Undergraduate Thesis:** Enhanced Deepfake Detection with Vision Transformers Batch processing: A Comprehensive Approach.

Chittagong College 2016-2018

Higher Secondary (GPA: 5.00 / 5.00)

- **Subjects:** Higher Mathematics, Physics, Chemistry, Biology, Information and Communications Technology.

Experiences

Syncrosis Lab Sep 2023 – Dec 2023

Junior UI Developer

- Developed frontend components and features of web solutions using **TypeScript, React & Tailwind CSS**.
- Contributed to two major client projects: **Inventory Management System** (an e-commerce platform) & **Trip-Portal** (a travel agency website).

Code Studio July 2020 – Dec 2020

UI/UX designer

- Designed the user interface elements including layout, typography, colors, and icons to create visually appealing and intuitive interfaces using **Adobe Xd & Figma**.
- Improved the usability, accessibility and overall interaction experience of the product.

Conference paper

Srabonti Deb, Tasmia Jannat, Mohiuddin Ahmed, “Advancing Deepfake Detection: Integrating Time Series Processing with Vision Transformers”, Presented at the 27th International Conference on Computer & Information Technology (ICCIT-2024), IEEE Bangladesh, December 2024 ([source](#))

Projects

E-commerce-Website | *HTML, CSS, Bootstrap, Javascript, PHP, MySQL* ([Link](#))

- Solved key challenges including optimizing data retrieval for fast loading times, ensuring responsive design across devices, and enhancing user experience with features like autocomplete search and product previews.

- Implemented security measures by utilizing hashing methods, integrated payment gateways securely.
- Successfully improved performance and scalability through database optimization.

Save-Me-Security-App | *Java, Android SDK* ([Link](#))

- Developed a user database system capturing user details including names and five trusted contact numbers.
- Implemented an emergency feature allowing users to send their GPS location and request assistance with a single button press.
- Incorporated a messaging feature permitting users to communicate with listed trusted contacts.

Cheese-Chasing-Game | *Processing 3* ([Link](#))

- Utilized Processing 3, a Java-based language known for visual arts and interactive projects, to create the game environment.
- Implemented progressive level advancement, triggered by reaching score milestones to provide players with an enjoyable and progressively challenging gaming experience.

Skills

Languages: Python, C, C++, HTML5/CSS, JavaScript, SQL.

Applications: Overleaf, Adobe illustrator, Adobe XD, Canva, Github, Jupyter notebook, Xampp, Cisco Packet Tracer, Logism, Digital.

Frameworks: Arduino SDK, Bootstrap, Tensorflow, PyTorch.

Leadership & Volunteer Experience

Class Representative, CSE (Session 18-19) RUET: Managed class schedules, facilitated communication between students and faculty, and coordinated departmental activities.

CSE-Fest Volunteer: Volunteered for the Project Showcasing segment, contributing to the event's success by designing posters and banners.

Awards & Participations

Chittagong Board HSC Scholarship: Received full tuition fee scholarship and stipend during undergraduate studies.

Chittagong Board SSC Scholarship: Received full tuition fee scholarship and stipend during Higher Secondary studies.

RUET Day Idea Contest 2021: Presented "A Unified Platform for Speeding Up Educational, Economic, and Skill-Based Activities during COVID-19," proposing innovative solutions to mitigate the pandemic's impact on key societal sectors.

CUET IEEE DAY 2020 Poster Presentation: Delivered a presentation titled "A Revolutionary Step towards Socio-Economic Status of Women".

Language

Bengali (Native)

IELTS: Overall Band Score 7.0 (Listening: 7.0, Reading: 7.5, Writing: 6.5, Speaking: 7.0)