

# Srabonti Deb

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<https://github.com/Srabontideb>

## Education

<b>Rajshahi University of Engineering &amp; Technology (RUET)</b> <i>Bachelor of Science in Computer Science &amp; Engineering (CGPA: 3.36 / 4.00)</i> <ul style="list-style-type: none"><li>• <b>Relevant Coursework:</b> Linear Algebra, Data Structures and Algorithms, Object Oriented Programming, Discrete Mathematics, Database Management, Applied Statistics &amp; Queuing Theory, Digital Image Processing, Neural Network and Fuzzy System, Artificial Intelligence, Data Mining</li></ul>	Jan 2019 – May 2024
<b>Chittagong College</b> <i>Higher Secondary (GPA: 5.00 / 5.00)</i>	2016 – 2018
<b>Dr. Khastagir Govt. Girls' High School</b> <i>Secondary (GPA: 5.00 / 5.00)</i>	2011 – 2016

## Undergraduation Thesis

Enhanced **Deepfake Detection & Localization** via 3d CNN Batch Processing of Time Series Frames with Specialized Feature Mapping

## Experience

<b>Syncrosis Lab</b> <i>Junior UI Developer</i> <ul style="list-style-type: none"><li>• Developed frontend components and features using <b>TypeScript, React &amp; Tailwind CSS</b></li><li>• Contributed to two major client projects : <b>Inventory Management System</b> (an e-commerce platform) &amp; <b>Trip-Portal</b> (a travel agency website)</li></ul>	Sep 2023 – Dec 2023
<b>Code Studio</b> <i>UI/UX designer</i> <ul style="list-style-type: none"><li>• Designed the user interface elements including layout, typography, colors, and icons to create visually appealing and intuitive interfaces using <b>Adobe Xd &amp; Figma</b> and improved the usability, accessibility and overall interaction experience of the product.</li></ul>	July 2020 – Dec 2020

## Projects

<b>Trip-Portal</b>   <i>HTML, Tailwind CSS, JavaScript, TypeScript, Next.js, Node.js</i> <ul style="list-style-type: none"><li>• Utilized Tailwind CSS and TypeScript to design and implement user interface components for the client project resembling the Gozayan website.</li><li>• Collaborated with the team to ensure alignment with client specifications and requirements.</li></ul>
<b>E-commerce-Website</b>   <i>HTML, CSS, Bootstrap, Javascript, PHP, MySQL (Link)</i> <ul style="list-style-type: none"><li>• 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 interactive product previews.</li><li>• Implemented robust security measures by utilizing hashing methods, integrated payment gateways securely.</li><li>• Successfully improved performance and scalability through database optimization.</li></ul>
<b>Save-Me-Security-App</b>   <i>Java, Android SDK (Link)</i> <ul style="list-style-type: none"><li>• Developed a user database system capturing user details including names and five trusted contact numbers.</li><li>• Implemented a robust emergency feature allowing users to send their GPS location and request assistance with a single button press.</li><li>• Incorporated a messaging feature permitting users to communicate with individuals excluding those listed as trusted contacts.</li></ul>
<b>Cheese-Chasing-Game</b>   <i>Processing 3 (Link)</i> <ul style="list-style-type: none"><li>• Utilized Processing 3, a Java-based language known for visual arts and interactive projects, to create the game environment.</li><li>• Implemented progressive level advancement, triggered by reaching score milestones to provide players with an enjoyable and progressively challenging gaming experience.</li></ul>

## Technical Skills

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

**Applications:** Overleaf, Adobe Illustrator, Adobe XD, Canva, Github, Google Colab, Jupyter notebook, Tensorflow, PyTorch, Xampp, Cisco Packet Tracer, Logism, Digital.

**Frameworks:** Arduino SDK, Bootstrap

## Leadership & Management Skills

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**Class Representative, CSE'18 RUET:** Managed 180 students and respective teachers directly

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

## Awards & Participations

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**Chittagong Board HSC Scholarship:** Received full tuition fee scholarship and stipend in Bachelor.

**Chittagong Board SSC Scholarship:** Received full tuition fee scholarship and stipend in Higher Secondary.

**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

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English, Bangla

## References

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**Tasmia Jannat**

Lecturer

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