

Saurav Sarkar

 sauraavsarkar |  sauraavsarkar |  Portfolioofsauravsarkar |  sauraavsarkar@gmail.com
 +880 1303 419064 |  Narsingdi, Dhaka, Bangladesh

SUMMARY

Assistant Officer at National Credit and Commerce Bank PLC, contributing to digital banking systems and secure financial middleware solutions. Skilled in problem-solving and creative thinking, with a strong ability to design and implement innovative solutions for complex technical challenges. Holds a B.Sc. in Computer Science & Engineering from American International University-Bangladesh (AIUB), with expertise in programming, system design, and software development.

WORK EXPERIENCE

Assistant Officer, ICT Division, NCC Bank PLC

Aug 2024 - Present

- Design and deploy a ticket-based helpdesk system for branch users, enabling issue reporting, technician resolution, IT requisitions, and change requests — built with PHP (Livewire), SQL, and Linux server hosting.
- Develop a real-time transaction monitoring system (Laravel + SQL/Oracle) providing visibility into NCC Always App middleware transactions, user/account/card data, and branch-level reports — strengthening fraud detection and decision-making.
- Build secure, scalable middleware APIs in Java (Spring Boot) integrating IVR systems, education fee collection, call center services, and account data, backed by SQL/Oracle databases.
- Provide ongoing operational support for the NCC Always App and ICON corporate banking platform, including troubleshooting, application testing in UAT and pre-live environments, and preparation of regulatory and operational reports for Bangladesh Bank and internal teams.
- Build and maintain in-house software solutions to support banking operations, streamline workflows, automate routine tasks, and improve efficiency across branches and corporate teams.

Skills: Java | PHP | SQL | Oracle | Linux | API Development | Middleware Integration.

Image Annotator (Freelancer), Acme AI Ltd.

Dec 2020 – Aug 2024

Contributed to computer vision projects as an integral member of a remote team, collaborating efficiently to meet project milestones. Assisted in quality assurance and validation of annotated data to ensure consistency and reliability for AI models.

Skills: Image Annotation | Data Labelling | Computer Vision | Machine Learning | Data Preparation

IT Assistant (Intern), AIUB

Sep 2023–Apr 2024

Technical skills I acquired during internship, such as proficiency in operating systems (Windows, Linux, etc.), networking, troubleshooting hardware and software issues, and familiarity with relevant tools and technologies. Developed strong problem-solving skills by troubleshooting and resolving IT issues promptly.

Skills: Operating Systems | Networking | Hardware & Software Troubleshooting | Problem Solving

EDUCATION

2020 - 2024	Bachelor's Degree at BSc in Computer Science & Engineering, AIUB	(GPA: 3.35/4.0)
2018	Higher School Certificate (HSC), Narsingdi public collage, Dhaka Board.	
2016	Secondary School Certificate (SSC), Brahmondi Kamini Kishore Moulik Government High School, Dhaka Board.	

PROJECTS

Security Log Viewer

[Link to Demo](#)

Developed a log management system using PHP (Laravel) and MySQL, automating CSV log ingestion, processing, and structured storage, with automated threat detection and email notifications for potential security incidents. Created an interactive dashboard with Chart.js to visualize key metrics including failed logins, after-hours users, antivirus alerts, and high-traffic IPs.

Skills: PHP (Laravel), MySQL, Chart.js, CSV processing, Email notifications.

Portfolio

[Link to Demo](#)

Built a personal portfolio to showcase all self-initiated and academic projects, including web and software applications. Features updated project information, code samples, detailed project descriptions, and live demo links for prospective employers or collaborators.

Skills: HTML, CSS, JavaScript.

Land-Rental

[Link to Demo](#)

This project is basically a land rental management system application. Where we buy available land from the land owner and then from my company this land will be rent or sell to the farmer. And also, we also sell all the necessary equipment for working on the field.

Skills: TypeScript, NestJS, NextJS, Tailwind CSS.

AIUB Ideas Gateway

[Link to Demo](#)

Built a scalable and maintainable ASP.NET API for the AIUB community to share blog posts, showcase projects, and post job opportunities, delivering a robust and high-performance platform for collaboration and engagement.

Skills: ASP.NET, API Development, Web Application Development

UI/UX Design

Designed easy-to-use and clean interfaces for web and mobile applications. Focused on making the user experience simple, clear, and responsive.

- **NCC ICON Corporate Banking App** – Helped design a secure and user-friendly corporate banking platform.
- **Household Services App** – Designed an app for booking home cleaning, repair, and maintenance services.
- **Bus Service for Women App** – Designed a safe ride-booking app with live tracking and alerts.
- **Krishoker Bandhu** – Designed a land rental and crop management app for farmers.
- **AIUB Ideas Gateway** – Designed a platform for sharing ideas and collaborating on projects.

Skills: Wireframing, Prototyping, User Research, Figma, Responsive Design.

PUBLICATIONS

Numerical Investigation of Future Potato Yields in Bangladesh Using Machine Learning and IoT at *NUML International Journal for Engineering and Computing (NIJEC)*, Vol. 3, No. 1, 2024.

Kabyo Deb, Rahul Das, **Saurav Sarkar**, Dr. Md. Sohidul Islam, Naznin Nahar Khanom Mim.

DOI: [10.52015/nijec.v3i1.60](https://doi.org/10.52015/nijec.v3i1.60)

TRAININGS & CERTIFICATIONS

78th Foundation Training Course at NCC Bank PLC.

SQL Database Training: A Practical Approach to SQL and Database Management: From Basics to Expertise at Business Automation Ltd.

Graphics Design Training at Islamic University of Technology (IUT).