

Shahrier Hossain

+8801718295833 | ✉ hossainshahrier.sh@gmail.com | [in](https://www.linkedin.com/in/hossain-shahrier) [hossain-shahrier](https://www.linkedin.com/in/hossain-shahrier)
Github : github.com/hossain-shahrier | Website : [Shahrier-hossain](https://shahrier-hossain.com)
Dhaka, Bangladesh

EDUCATION

American International University - Bangladesh | *Dhaka, Bangladesh* *September 2019 – February 2024*
Bachelor of Science in *Computer Science and Engineering*
GPA: 3.35/4.0 | **Major: Software Engineering**

ACADEMIC EXPERIENCE

American International University - Bangladesh: Project Assistant *September 2023 – December 2023*

- Contributed to the publication of curriculum and research projects, ensuring alignment with academic standards.
- Developed and applied research methodologies, gaining hands-on experience in academic research design.
- Managed project timelines and facilitated communication between faculty and students, ensuring efficient progress.

THESIS

Automated Eye Disease Detection Using Machine Learning Algorithms

- Applied a Convolutional Neural Network (CNN) architecture using the VGG-19 model and K-Nearest Neighbors (KNN) for image classification to accurately identify eye diseases such as glaucoma, diabetic retinopathy, and age-related macular degeneration.

TRAINING AND CERTIFICATION

Arduino – Multi Tech, Organized by Bangladesh Hi-Tech Park Authority *November 2020 – December 2020*

- Completed a 96-hour training course on **Arduino** and **IoT fundamentals**, organized by the Bangladesh Government.
- Selected as one of 40 students from across Bangladesh.
- Led a project to design a “COVID-19 Sanitizing Robot” as the project leader.

PROFESSIONAL EXPERIENCE

JB Connect: Software Engineer *March 2024 – present*

- Associated with two large scaled projects, where I worked on both as a Full Stack Engineer and Frontend Engineer
- I worked with Next.js, Next API routes, Next Auth, Redux, Redux Saga, Redux Toolkit, React.js, Material UI, React Router Dom, React hook form, i18next, Yup validation and Vite
- I solely created Cloud Infrastructure and automated deployment (CI/CD Pipeline) at AWS for two frontend systems and engaged with backend hosting at EC2 Instance.

Munchies: Trainee Software Engineer *January 2023 – March 2024*

- Worked on four In-House products: Restaurant Portal, Delivery Service Portal, Admin Portal and Consumer Application
- Created a remarkable voucher system and worked with senior engineers on multiple features.
- Used Next.js, Parse Server, Redux Toolkit, Ant Design, React.js, React Router Dom, React hook form

SKILLS

- **Languages:** English, Bangla
- **Data and Statistics:** Python, NumPy, Pandas, Statistical Analysis, Data Cleaning
- **Programming Languages, Technologies and Tools:** HTML, CSS, JavaScript, TypeScript, React.js, Next.js, Node.js, Express.js, RESTful APIs
- **Databases:** Relational (SQL), Non-Relational (NoSQL)
- **DevOps:** AWS, Docker, CI/CD Pipeline

CERTIFICATIONS

- **IoT Fundamentals:** Connecting Things – CISCO
- **Python Data Structures** – University of Michigan (Coursera) [Verification](#)