

SKILLS

Languages:

- C/C++
- Python
- JavaScript
- TypeScript
- Dart
- HTML
- CSS

Forntend:

- React.js
- Next.js
- Bootstrap
- Tailwind CSS

Backend:

- Node.js
- Express.js
- Flask
- REST API

Database:

- MYSQL
- MongoDB
- Firebase
- Supabase

Mobile Development:

- Flutter
- React Native

AI & ML:

- TensorFlow
- PyTorch
- XGBoost
- Scikit-learn
- CNN
- Transfer Learning

Data Science:

- NumPy
- Pandas
- Matplotlib

Tools and Technologies:

- Git, Github
- Canva
- Figma
- VS Code
- Postman
- Matplotlib

LANGUAGE:

- Bengali (Native)
- English (Professional)
- Hindi

PROFESSIONAL SUMMARY

Software Engineer with experience in full-stack web development and AI-powered applications. Proficient in React.js, Next.js, Node.js, Python, TensorFlow and PyTorch. Skilled in building scalable web and mobile applications, developing RESTful APIs and integrating machine learning models. Strong problem solving skills with a focus on software design, performance and quality.

EDUCATION

Bsc in Computer Science and Engineering July, 2022 - July, 2026
University of Science and Technology Chittagong

WORK EXPERIENCE

Web Developer Jan, 2026 - Feb, 2026
SYNTECX HUB, Remote

- Developed and maintained digital applications
- Performed system analysis, debugging and performance optimization

Vice President Sep 2025 – Present
Programming Club, USTC

- Led club activities and organized programming contests and technical events.
- Coordinated volunteers, participants and event logistics.

PROJECTS

TaskSphere
An AI-powered assignment and collaboration platform for clubs and academic groups. Supports role-based access, task submission tracking, + and intelligent insights via chatbot commands.
Project Link: tasksphere5327.vercel.app/

ColoDetect AI
Designed and built an AI-powered web application that classifies colorectal diseases from endoscopic images using deep learning. Integrated model inference with a user friendly web interface, enabling secure image upload, instant predictions and result visualization.
Project Link: colodetectai.vercel.app/

Local Business Directory
This is a mobile app for local shop directories where users can explore nearby shops. Each user can create up to two shops of their own. Admins have the authority to ban users and delete shops when necessary.
Project Link: github.com/durjoybarua5327/Local-Business-Directory

PUBLICATIONS

- Deep Learning Assisted Colonoscopy: Binary Classification of Colorectal Pathology.