

RAFATH BIN ZAFAR AUVEE

Software Engineer • Machine Learning Researcher

Chittagong, Bangladesh • +88 01764-951051

Email: rafath.auvee@gmail.com • Web: rafath-auvee.vercel.app

ORCID: [0000-0003-3532-9773](https://orcid.org/0000-0003-3532-9773) • [Google Scholar](https://scholar.google.com/citations?user=...) • [GitHub](https://github.com/rafathauvee) • [LinkedIn](https://www.linkedin.com/in/rafathauvee)



CAREER OBJECTIVE

Machine learning researcher with two peer-reviewed publications in medical AI: cardiovascular diagnostics (Elsevier Systems and Soft Computing, Q2) and brain tumor classification (IEEE ICCIT 2024, 30 citations). Four years of full-stack engineering experience building production systems across web, mobile, and backend. Seeking a fully funded MS position in medical imaging or biomedical engineering for Fall 2027.

PUBLICATIONS

Cardiovascular Diagnostics Detection Using Multilayer Perception Approach 2025

Rafath Bin Zafar Auvée, MD Fakhrul Islam Fuad, Yeasir Hossain, et al.

Systems and Soft Computing (Elsevier, Q2 journal)

Link: <https://www.sciencedirect.com/science/article/pii/S2772941926000530>

Comparative Analysis of Resource-Efficient CNN Architectures for Brain Tumor Classification 2024

Rafath Bin Zafar Auvée, et al.

27th International Conference on Computer and Information Technology (IEEE ICCIT) | Citations: 30

Link: <https://arxiv.org/pdf/2411.15596>

WORK EXPERIENCE

Software Engineer Feb 2024 – Feb 2026

Think Studio — Dhaka, Bangladesh (Remote)

- Led end-to-end development of Dua Plus, a cross-platform Islamic devotional app shipped on web (dua.plus), Apple App Store, and Google Play Store.
- Built Muezzyn, an Android prayer companion app with timely notifications, GPS-based and city-specific prayer times, and a NestJS backend for reliable sync.
- Promoted from Junior Software Engineer to Software Engineer within the first year, taking on feature work typically assigned to senior developers.
- Owned the full product surface across React Native, Flutter, web (Next.js), and Node-based backend services.

Full Stack Developer

Jun 2023 – Jan 2024

Save The Date — Dhaka, Bangladesh (Hybrid)

- Developed a fully responsive E-Card Editor from scratch, generating 2 Lac BDT in just 3 months.
- Built using Next.js for both frontend and backend, with MongoDB as the database.
- Integrated Bkash and Aamarpay for seamless online payments.
- Implemented a secure authentication system with NextAuth, with separate dashboards for admin and users.
- Enabled users to create animated cards, track past orders, and receive confirmation emails on successful order completion.

Full Stack Web Developer

Oct 2022 – Mar 2023

Wrexia LLC — Remote (US-based clients)

- Developed full-stack web applications for US-based clients, handling both frontend and backend implementation.
- Collaborated across time zones to deliver responsive, production-ready features on tight schedules.

EDUCATION

Bangladesh Army University of Science & Technology, Saidpur

2019 – 2023

Bachelor of Science in Computer Science & Engineering | CGPA: 3.37 / 4.00

Transcript: https://drive.google.com/drive/folders/1QJLv7u6415SAHug52LKgbA9uma0oY_oO?usp=sharing

Nou Bahini High School and College, Chittagong

2018

Higher Secondary Certificate | GPA: 4.92 / 5.00 | Chittagong Education Board

Certificate: <https://drive.google.com/drive/folders/1LK5gbVSEb1szkS1IAucinMdMe9nurdQP?usp=sharing>

Nou Bahini High School and College, Chittagong

2016

Secondary School Certificate | GPA: 4.83 / 5.00 | Chittagong Education Board

Certificate: <https://drive.google.com/drive/folders/1LK5gbVSEb1szkS1IAucinMdMe9nurdQP?usp=sharing>

PROFESSIONAL DEVELOPMENT

Data Science Program

2024

Ostad

Certificate: <https://drive.google.com/file/d/1GO35Cvrqct4cHllgq-ekSWcoRq7eP0QOQ/view?usp=sharing>

Web Development Course (Black Belt Web Developer)

2022

Programming Hero

Certificate: <https://drive.google.com/file/d/1A3maCIPnEUksoxx3TiIBFxlW-2E69Nj/view?usp=sharing>

Python For Everybody, Python Data Structures

2020

Coursera (University of Michigan)

Certificate: <https://coursera.org/verify/RE75F4QYCHGV>

Introduction to Flutter Development

2020

The App Brewery

Certificate: <https://drive.google.com/file/d/16BviuwE3vxb99zm3C2LkIOGdi8GSEg6y/view?usp=sharing>

NOTEWORTHY PROJECTS

Dua Plus — Islamic Devotional App

Cross-Platform

React Native • Supabase • PostgreSQL

- Shipped cross-platform mobile app (live on App Store & Play Store) for duas and personalized prayer journeys.
- Custom praylists, scheduled dua journeys, completion tracking, and real-time push notifications.

App Store: <https://apps.apple.com/pl/app/dua-plus-ramadan-dua-dhikr/id6758318647>

Play Store: <https://play.google.com/store/apps/details?id=com.thinkstudio.android.duaplus>

Save The Date — Virtual Greeting Card SaaS

Web

Next.js • NextAuth • MongoDB

- Built and launched a Virtual Greeting Card SaaS generating 3+ Lac BDT revenue in its first month.
- Engineered a rich E-Card Editor with text customization, animated cards, dynamic order forms, and Bkash/Aamarpay payment integration.

Live: <https://www.esavethedate.com>

TECHNICAL EXPERTISE

Languages: Python, TypeScript, JavaScript, Dart, C/C++

Machine Learning: PyTorch, TensorFlow, scikit-learn, Keras, NumPy, Pandas, OpenAI API

Frontend: Next.js, React.js, TypeScript, Tailwind CSS, Material UI, Chakra, DaisyUI, Bootstrap

Backend: Node.js, Express.js, NestJS, FastAPI, GraphQL, REST

Mobile: Flutter, React Native

Database: MongoDB, PostgreSQL, Firebase, Prisma ORM

Version Control & DevOps: GitHub, Docker, Kubernetes, Vercel, CI/CD

Authentication: NextAuth, Firebase Auth, Better-Auth

Payment Integration: Aamarpay, Bkash, SSL Commerz, Stripe

Familiar: Redux, Zustand, Postgres, LaTeX

ACHIEVEMENTS & CERTIFICATIONS

“Speed Battle” of Robotronics — Line Follower Robot

2019

1st Runner Up, University 1st Year

Certificate: <https://drive.google.com/file/d/1CFixGdpm76UNG36qdWcr3ZEraqb8eoRni/view?usp=sharing>

Inter School & College Programming Contest

2017

2nd Runner Up, College Level

Certificate: <https://drive.google.com/file/d/1CKYi7-KKgnIPybi96tCOrr5mek5wMv9B/view?usp=sharing>

WORKSHOPS & CONFERENCES

Banglalink Careers Workshop — Gift Prize Winner

—

Organized through CSB Club, BAUST

Link: <https://www.facebook.com/share/p/1C9UuGkvVq/>

Volunteer of Bangladesh

2017

National Volunteer Program

Link: <https://drive.google.com/file/d/1CQZFKTDTStCllsYlabpuyDm9AJ2Piecq/view?usp=sharing>

COMPETITIONS

ACM ICPC Dhaka Regional	2019
<i>International Collegiate Programming Contest Varsity 1st Year</i>	
Link: https://drive.google.com/file/d/1AkKfQmDOFHzsmp1QaxDKYRQmnK-2z19P/view?usp=sharing	
3rd AUW Math & ICT Fest	2017
<i>Asian University for Women</i>	
Link: https://drive.google.com/file/d/1CWNxsM6rCNgcHXsKeWuHdiOmAb9qJ3bX/view?usp=sharing	
Science Fair	2015
<i>School Science Exhibition</i>	
Link: https://drive.google.com/file/d/1CF-l1wkOHIPN3JN2FKoUy2wEZFh_xuYt/view?usp=sharing	

CLUB ACTIVITIES

BAUST Mechatronics & Robotics Club	2020 – 2023
<i>General Secretary</i>	
Link: https://drive.google.com/file/d/1C02g6Lufq9ymUuGT_whEXRs12b-wJBVJ/view?usp=sharing	
Career Society of BAUST	2020 – 2023
<i>Deputy Treasurer</i>	
Link: https://www.facebook.com/share/1BJzAJ3PLs/	
CSE Society of BAUST	2021 – 2023
<i>Mentor</i>	
Link: https://baust.edu.bd/cse/cse-society-of-baust/	

REFERENCES

Engr. Hasan Muhammad Kafi

Assistant Professor, Department of Computer Science and Engineering (CSE), BAUST

Phone: +8801718781841, +8801978781841

Email: kafi@baust.edu.bd, engr.kafi@gmail.com

Professor Dr. S.M. Jahangir Alam

Head of Department, Computer Science and Engineering (CSE), BAUST

Phone: +8801766128002

Email: jahangir@baust.edu.bd

Engr. Md. Mamun Hossain

Associate Professor, Department of Computer Science and Engineering (CSE), BAUST

Phone: +8801769662713, +8801717690847

Email: mhossain@baust.edu.bd, mamunsust12@gmail.com

Muhammad Sakeeful Islam

CEO, Think Studio

Phone: +65 9611 4277

Email: sakeef@thinkstud.io