

Mohd Zahin Abrar

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mohd-zahin-abrar

Profile

Motivated Computer Science undergraduate specializing in Deep Learning and Web Development. Passionate about building AI-driven solutions to address real-world challenges. Proven leader with impactful projects and community initiatives.

Education

BRAC University

Dhaka

B.Sc. Computer Science, CGPA: 3.71/4.00

2022–Present

- Relevant Coursework: Artificial Intelligence, Deep Learning, Database Systems, Computer Architecture, Software Engineering, Robotics

Notre Dame College

Dhaka

Higher Secondary Certificate (HSC), GPA: 5.00/5.00

2018–2020

Science

Government Laboratory High School

Dhaka

Secondary School Certificate (SSC), GPA: 5.00/5.00

2008–2018

Science

Experience

Youth Policy Forum

Dhaka

Associate, Tech & Innovation

Nov 2024–Present

- Authored 5+ policy briefs through secondary research, informing technology-driven initiatives
- Collaborated on 3 short-term projects, delivering actionable recommendations on time

GAOTek Inc.

Dhaka

Web Development Intern

2024

- Developed and optimized 10+ web pages using HTML, PHP, and WordPress (20% load time improvement)
- Enhanced site reliability for monthly users through critical issue debugging

Agami Education Foundation

Dhaka

Lead Volunteer

2022–Present

- Designed and led 15+ educational seminars impacting 300+ underprivileged students
- Spearheaded STEM access initiatives in underserved communities

Selected Projects

Multimodal CRISPR Precision Framework: DL-Driven CRISPR Research Project

- Leading a team of 5 in developing a multimodal deep learning framework
- Integrating epigenomic, sequence, and transcriptomic data to improve CRISPR accuracy

Genome Size Evolution Analysis: Computational Genomics Research

- Co-developed pipeline analyzing 527 eukaryotic genomes
- Using ANOVA, Random Forest ($R^2=0.78$)

Jayga Ache?: Parking Reservation System

- Built a parking lot booking system like airbnb
- Tech Stack: Flask, JavaScript, APIs

ExpenseTracker: Financial Education Platform

- Designed expense tracking and investment tracking platform for students
- Tech Stack: Django, Node.js, HTML, CSS

Blitzz Wear: *E-commerce Platform*

- Built a responsive platform for niche apparel, streamlining inventory management for e-commerce business
- Tech Stack: Django, js, HTML, CSS

3D Maze Runner Shooting Game: *Game Development Project with Python and OpenGL*

- Designed and implemented a 3D first-person shooter with maze navigation
- Utilized PyOpenGL for rendering, collision detection, and interactive shooting mechanics

Agro Surveillance: *Smart Agriculture Monitoring System*

- Developed a computer vision-based platform for automated crop surveillance
- Tech Stack: Python, Django, HTML and CSS with integrated object detection and database logging

Studex Fusion: *Academic Management System*

- Developed a dynamic system for course registration and academic operations, serving teachers and students
- Tech Stack: PHP, MySQL

TechVidvanLibrary: *Library Management System*

- Automated book tracking and student management with role-based access for 200+ users
- Tech Stack: Django, HTML, CSS

Extracurricular Activities

- **Vice President, Cultural Club of the Laboratorians** *Mar 2017 – Nov 2018*
Organized school-wide cultural events including recitals, drama, and music programs, promoting creative student engagement and leadership.
- **General Member, Notre Dame College Adventure Club** *Aug 2018 – May 2019*
Participated and volunteered in outdoor expeditions and leadership activities, fostering resilience and teamwork in challenging environments.
- **Executive Committee Member, Notre Dame College Science Club** *Feb 2019 – Jan 2020*
Assisted in organizing science fairs and workshops to encourage hands-on experimentation and scientific learning among fellow students.
- **Junior Executive, Robotics Club, BRAC University** *2023–2024*
Supported project-based learning, coordinated club workshops, and promoted robotics awareness among students.

Technical Skills

Languages: Python, JavaScript, SQL, PHP

Frameworks: Django, Flask, MERN Stack

ML Tools: TensorFlow, PyTorch, Pandas, Scikit-learn

Dev Tools: Git, Docker, VS Code, Figma, Postman

Concepts: Machine Learning, Deep Learning, Neural Networks, API Development, Web Security

Certifications & Achievements

- **Cybersecurity Fundamentals**, Coursera
Completed foundational training in digital security, covering threat detection, risk management, and secure system design.
- **UI/UX Design Specialization**, Coursera
Gained practical experience in user interface design principles, prototyping, and usability evaluation using Figma.
- **Cloud Computing Essentials**, Coursera
Learned the fundamentals of cloud platforms, virtualization, and scalable computing models.
- **Arduino Programming Basics**, IEEE BUET Student Branch
Participated in a hands-on workshop on embedded system development using Arduino for real-world applications.