SAKIB KHAN

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SUMMARY

I am a Computer Science and Engineering graduate from BRAC University with a strong background in programming and full-stack web development. I have experience working with both front-end and back-end technologies to build responsive and dynamic applications. Skilled in managing databases using MySQL, SQL, and NoSQL, I also have knowledge in machine learning, networking, and cybersecurity. I am passionate about creating scalable, secure, and user-focused solutions that ensure performance and functionality.

EDUCATION

B.Sc. in Computer Science and Engineering **2021-2025**
BRAC University
CGPA: 3.33/4.0

Higher Secondary Certificate(HSC) **2018-2020**
Notre Dame College
GPA: 5.0/5.0

Secondary School Certificate (SSC) **2008-2017**
St. Gregory's High School & College
GPA: 5.0/5.0

TECHNICAL SKILLS

- Programming Languages: Python, Java JavaScript
- Full-Stack Development: MERN, MEAN LAMP, Django
- Front-End: HTML, CSS, JavaScript, Tailwind CSS, Bootstrap
- Artificial Intelligence & Data Science: Machine Learning
- Database Management: MySQL, SQL, NOSQL
- Networking: Cisco Packet Tracer, Wireshark
- Others: MS Excel, MS Word, MS PowerPoint, Canva, Figma,Webframe

PROJECTS

Major Web Development Projects

Money Transaction System – MoneyWave (HTML, CSS, PHP)
Built a secure money transfer system enabling users to send, receive, and track transactions with an intuitive web interface.

Hospital Management Portal (MERN, DJANGO)
Developed a full-stack portal for managing patients, doctors, appointments, and medical records with real-time access.

Property Management Portal – PropertyWave (MEAN)
Designed and implemented a property portal for listing, buying, selling, and managing real estate seamlessly.

Library Management System – LibraWave (Laravel)
Created a digital library platform for cataloging, borrowing, and tracking books with role-based user access.

Parcel Delivery Platform – ParcelWave (MERN)
Engineered a peer-to-peer delivery platform matching senders with travelers for efficient and cost-effective parcel delivery.

Other Projects

Basic Games (Assembly Language – 8086)
Developed classic 2D games in Assembly language on the 8086 processor, demonstrating low-level programming and logic building.

Car Price Prediction (Machine Learning)
Built a machine learning model to predict car prices based on features like brand, mileage, and engine capacity.

Galaxy Attack Game (OpenGL)

Designed and programmed a 2D shooting game using OpenGL, implementing game mechanics and interactive graphics.

Smart Safety Helmet (Hardware)
Created a hardware prototype helmet with safety sensors to detect accidents and alert emergency contacts.

Voltage Deviation Visualizer (Hardware Project)

Developed a visualization tool to analyze and display voltage deviations in electrical circuits for monitoring system stability.

ACHIEVEMENTS

- 3rd Place – Soccer Bot Competition, BRAC University E&E Club
- Top 8 – Soccer Bot Competition, MINDSPARK 2022, AUST Innovation & Design Club

WORK EXPERIENCE

BitEncryptIT — **MAY 2025- AUGUST 2025**
Software Developer Intern

RESARCH

Undergraduate Thesis

Fusion-Based Multimodal Deep Learning to Improve Detection of Diabetic Retinopathy and Macular Edema: Integrating Retinal Imaging, Clinical Data and Systemic Biomarkers