

Shahabuddin Ahmed Khan

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Summary

A Computer Science & Engineering (CSE) graduate with a passion for AI/ML and proficiency in full-stack web development. Skilled in Python, JavaScript, Node.js, React, and REST API development. Interested in working alongside experienced developers and contributing to innovative, high-quality projects while continuing to grow as an AI/ML engineer.

Skills

Languages	Python, JavaScript
Frontend	HTML, CSS, React, Tailwind CSS, Next.js, TypeScript
Backend	Django, NodeJS, ExpressJS
Database	MongoDB, PostgreSQL, Firebase
Tools	Matplotlib, Seaborn, TorchVision, PyTorch, Scikit-learn, Git, GitHub

Education

BRAC University <i>B.Sc. in Computer Science and Engineering</i> CGPA: 3.51/4.00 Coursework: <ul style="list-style-type: none">Software Foundations, Computer Architecture, Data Structures and Algorithms, Artificial Intelligence, Comparison of Learning Algorithms, Computational Theory, Network.Neural Networks, Computer Networks, Operating Systems, Software Engineering.	Jan 2020 - May 2025
Queen's School & College <i>Higher Secondary School Certificate</i> GPA: 5.00/5.00	Jan 2020 - May 2025

Projects

Zeus Equipment <ul style="list-style-type: none">Developed and maintained a React-based web application for managing sports equipment, featuring user authentication, equipment management, and responsive design.Implemented client-side routing using React Router and integrated Axios for seamless API communication with a MongoDB backend, ensuring efficient data handling and smooth user interactions.Designed and optimized the user interface with CSS and Vite, leveraging Context API for state management and dotenv for secure management of environment variables.	July 2025
Winter Donation <ul style="list-style-type: none">Created a platform for clothing donations, leveraging React for dynamic interactions and Tailwind CSS to ensure responsive, scalable design.Implemented Google authentication using Firebase and integrated Toastify for real-time success and error notifications.Utilized MongoDB to efficiently manage user data and donations, ensuring seamless backend operations.	May 2025
Student Management System <ul style="list-style-type: none">Developed a multi-tenant MVC-based system for organizing universities, faculty, and students with centralized academic data stored in MySQL.Enabled role-based access control and session management, ensuring secure user access and data privacy.Employed SCSS and LESS to deliver responsive, maintainable designs, improving scalability and user experience across multiple devices.	Mar 2024

Research Experience

Neurodegenerative Disease Detection Deep Learning Model <ul style="list-style-type: none">A model named SadNetV1 which is a combination of MobileNetV2 and some custom layers.Executed data augmentation and Spatial Attention to achieve 97% accuracy.Employed Grad-CAM Explainable AI for model explainability. dotenv for secure management of environment variables.	July 2024
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