Tasnimul Mohammad Fahim

+880 193-490-8343 | faahim06@gmail.com | linkedin.com/in/insertfahim | github.com/insertfahim

EDUCATION

BRAC University   Dhaka, Bangladesh
Bachelor of Science in Computer Science and Engineering   *June 2021 – June 2025*

EXPERIENCE

Full Stack Developer   May 2022 – May 2024
GlamourTech Inc., Dhaka, Bangladesh

- Developed and deployed a customer-facing e-commerce platform using React, Node.js, and PostgreSQL, boosting sales conversion by 40%.
- Spearheaded a team of 4 developers to integrate secure payment APIs, reducing transaction latency by 50%.
- Engineered microservices that processed over 100K transactions/month, cutting page load times by 45%.
- Mentored junior developers, enhancing team productivity by 30% through pair programming and rigorous code reviews.

Research Assistant – Diabetic Retinopathy Detection   June 2020 – Present
BRAC University, Dhaka, Bangladesh

- Designed a deep learning pipeline with Convolutional Neural Networks (CNNs) in TensorFlow/Keras to detect and classify diabetic retinopathy from retinal fundus images, achieving an AUC of 0.92, 88% sensitivity, and 90% specificity.
- Engineered an advanced image pre-processing and data augmentation module using OpenCV and scikit-image, reducing overfitting by 30%.
- Optimized hyperparameter tuning via 5-fold cross-validation, increasing the F1-score by 15% over baseline models.
- Collaborated with clinical data scientists to validate the algorithm on 10K+ fundus images, contributing to a peer-reviewed publication.

PROJECTS

BeautyInsights Dashboard | *Python, Flask, React, PostgreSQL, Docker*   2023

- Developed an interactive analytics dashboard tracking engagement from 50K+ transactions, leveraging RESTful APIs for real-time data updates.
- Implemented responsive UI components with React and Redux, enhancing user experience by 20%.

Animated Fluent Emojis Library | *TypeScript, React, CSS*   2023

- Engineered a responsive, cross-platform animated emoji library for Microsoft Teams, streamlining UI integration and boosting user engagement by 25%.
- Optimized library performance for seamless animation rendering and accessibility compliance across enterprise projects.

Telegram Emoji Explorer | *Next.js, Tailwind CSS*   2023

- Developed a blazing-fast web-based Telegram emoji explorer, achieving ultra-responsive load times and intuitive navigation for thousands of daily users.
- Implemented dynamic filtering and search features that simplified emoji discovery, resulting in a 30% improvement in user retention.

UbuntuOS Portfolio Website | *Next.js, Tailwind CSS*   2023

- Created a cutting-edge personal portfolio website with a modern Ubuntu 20.04 theme, showcasing full-stack expertise and innovative UI/UX design.
- Deployed on Vercel with robust performance optimization and 99.9% uptime, reinforcing a professional digital brand.

TECHNICAL SKILLS

Full Stack & DevOps: JavaScript, React, Node.js, Flask, PostgreSQL, Docker, AWS, Git
ML & Data Science: Python, TensorFlow, Keras, PyTorch, OpenCV, scikit-learn, Pandas, NumPy, Matplotlib
Web & UI/UX: Next.js, Tailwind CSS, HTML/CSS, Responsive Design
Concepts: RESTful APIs, Microservices, CI/CD, Agile, Deep Learning, CNNs, Data Augmentation, Hyperparameter Tuning, Cross-Validation