Touhidul Alam Seyam

Software Engineer & Research Assistant

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Professional Summary

Innovative Software Engineer and Research Assistant with a strong foundation in Computer Science. Experience in full-stack development, machine learning, and academic research. Passionate about leveraging cutting-edge technologies to solve complex problems and drive advancements in the field of computer science and engineering.

Key Achievements

- Published 4 research papers in reputable journals, contributing to advances in machine learning and healthcare technology.
- Developed and launched more than two successful web applications: blessfoundationbd.com and bgctub-it-club.vercel.app.
- Secured a position as Research Assistant at BGC Trust University Bangladesh, actively contributing to cutting-edge research initiatives.

Education

B.Sc. (Hons) in Computer Science & Engineering	BGC Trust University Bangladesh — 2023 - Ongoing
H.S.C (Science)	Chattogram Cantonment Public College — 4.83 — 2021
S.S.C (Science)	Gomdandi Pilot Model High School — 5.00 — 2019

Work Experience

Software Engineer	Hello World Communications Limited — July 2024 - Present
Research Assistant	BGC Trust University Bangladesh — 2023 - Present
IT Club Executive Tech Team Member	BGC Trust University IT Club — 2024 - Present
Freelance Developer	Self-employed — March 2021 - Present

Research Publications

- **Leaf Disease Detection:** Comparing pre-trained models for efficient leaf disease detection
  Published in Springer Link

- **AgriScan:** Next.js powered cross-platform solution for automated plant disease diagnosis
  Published in Springer Link

- **Tuberculosis Risk Assessment:** Machine Learning K-Means Clustering and Linear Regression
  Presented at COMPAS Conference: https://www.compasconf.org/final-list-of-papers-selected

- **Cardiovascular Risk Prediction:** Enhancing prediction using Support Vector Machines
  Presented at COMPAS Conference: https://www.compasconf.org/final-list-of-papers-selected

Technical Skills

Frontend Development

- Next.js

- React

- React Native

Backend Development

- Django

- Golang

- PostgreSQL

Professional Reference

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