Tanzim Bin Zahir

Kuala Lumpur, Malaysia | +60 10-954 0995 | tanzimbinzahir@gmail.com
linkedin.com/in/tanz2023 https://github.com/Tanz2024

Summary

AI & Software Developer from Bangladesh with a passion for AI automation, problem-solving, and data analytics. Currently studying Computer Science (AI) at Taylor's University, Malaysia, while gaining hands-on experience through a 9-month industrial training at SquareCloud (Malaysia) Sdn Bhd. Skilled in building AI chatbots, managing inventory systems, and improving energy monitoring solutions.

Technical Skills

- **Programming & Development**: Python, Java, C++, JavaScript, TypeScript, R, SQL
- **Web Development**: HTML, CSS, React, React, React Native, Next.js, Vue.js, Tailwind CSS, Node.js, Express.js, NestJS, FastAPI, Flask
- **Databases & APIs**: PostgreSQL, MongoDB, MySQL, Prisma, REST APIs, GraphQL, WebSockets
- **Data Science & AI**: TensorFlow, PyTorch, Scikit-Learn, LangChain, NLP, Computer Vision, CNN, RNN, Pandas, NumPy, Matplotlib, Kaggle
- **Cloud & DevOps**: Firebase, Render, Azure, Docker, Kubernetes, NGINX, cPanel, Ngrok
- **Tools & Collaboration**: Git, GitHub, Microsoft Excel, Postman, VS Code

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Education

BSc (Hons.) Computer Science (Artificial Intelligence)
Taylor's University & University of the West of England, Malaysia | CGPA: 3.42 |
Graduated: Aug 2025

Professional Experience

SquareCloud (Malaysia) Sdn Bhd – AI & Software Development Industrial Training Program | September 2024 – Present
- Developed a web-based AI chatbot using LangChain and OpenAI with multi-category responses, boosting engagement by 40%.
- Built a cross-platform chatbot app (React Native) with speech-to-text, text-to-speech, category selection, and Whisper AI.
- Built an energy monitoring system, improving efficiency tracking by 35%.
- Created an inventory system with OCR input, reducing stock discrepancies by 25%.

Collaboration & Academic Projects

- RHM Design & Construction – Data Analysis Lead (Apr 2024)
  - Developed dashboards, increasing revenue by 15%.
- Thirty Seconds Café – Business Governance & Strategy Consultant (Apr 2024)
  - Designed governance frameworks, improving efficiency by **20%**.
- AI Resume Analyzer – Built an NLP-based resume screening tool, boosting hiring efficiency by 40%.
- Garbage Classification – Implemented ResNet/MobileNet, achieving 92% accuracy.
- Big Data Analysis – Optimized MapReduce pipelines, reducing data processing time by 50%.
- Library & Restaurant Management Systems – Full-Stack Development
  Built end-to-end management systems, reducing operational errors by 30%.

Certifications & Achievements

- Dean's List – Taylor's University (Semester 1.5, 4)
- Certifications: IBM Python for Data Science | TensorFlow AI (Google) | Full-Stack Development (Meta) | Microsoft Azure AI

Soft Skills

- Problem-Solving | Team Collaboration | Technical Communication
- Languages: English (Fluent), Bangla (Native)

References

Dr. Navid Ali Khan

Program Director, Taylor's University

navidali.khan@taylors.edu.my

Yap Michael

Lead Engineer & Supervisor, SquareCloud

yap.sqc@gmail.com