

TAHSIN RAHMAN CHOWDHURY

BACHELOR OF SCIENCE - INFORMATION SYSTEMS

Full Stack Web & Application Software Development, Systems Design
Data Science, Machine Learning, Artificial Intelligence, Deep Learning
Business Intelligence, Data Analysis, Finance, Operation & Supply Chain

☎ 8173713130
🔗 github : [trcpoet](#)
🌐 linkedin : www.linkedin.com/in/trcpoet
✉ tchowdhury29@gmail.com
👤 <https://leetcode.com/trcpoet/>

SKILLS

Front End Development	React, NextJs, JavaScript
Back End Development	SQL, Node, MySQL, NoSQL, AWS
Python(Flask, MongoDB, Django)	Swift, React Native, Flutter
Java(Spring boot)	REST APIs, Networking
Data Science with Python	MLOPs, Ai, Deep Learning

EDUCATION

B.S. in Information Systems 2024 May
University of Texas at Arlington
Edexcel IGCSE A2 2018
Sunbeams (Dhaka, Bangladesh)

EXPERIENCE

Full Stack Developer - Chowdhury Group 2024 May - present

- Task Manager Application (Java, Spring Boot, React, AWS S3)
- Python Notes Web App(Python, Django, Flask, MongoDB, REST API, RDBMS, SQL, MySQL/PostgreSQL)
- Bank, Hotel, & Employee, Class, & Tournament Management System (Java)
- Social Media Platform (MERN Stack)
- E-Commerce Platform(React, Node.js, Express, Next.js)
- Pokémon GO-Inspired AR Game, UberClone(SWIFT, ARKit)

Data Science / Analysis - UTA 2023 May - present

- (Python, NumPy, Pandas, scikit-learn, TensorFlow, Keras, PyTorch)
- Developed classification (fraud detection), regression (sales forecasting), and deep learning (image recognition) solutions
 - Automated data pipelines using Pandas and deployed on AWS EC2/S3 for cleaning and feature engineering, improving model accuracy by 15%, ensuring data ingestion.

PROJECTS

FUN Sports App(Python (web scraping), Java (Spring Boot), MongoDB, SWIFT)

- Implemented Python to web scrape social data and store profiles in MongoDB
- Created a JAVA Spring Boot REST API to match users on age, school, location, etc
- Implemented on IOS using SWIFT's MapKit, ARKit, & CoreLocation for FrontEnd.

Task Manager(Java (Spring Boot), React, AWS S3)

- Implemented a Spring Boot backend for task creation, assignment, and file attachments with AWS S3
- With a responsive React UI featuring real-time updates (WebSockets), increasing user productivity by 20%.

E-commerce Platform(Next.js, Node.js, TypeScript, Tailwind CSS, MongoDB)

- Integrated payment gateways (e.g., Stripe/PayPal) with secure checkout flows, reducing cart abandonment by 15%.
- Deployed on AWS EC2 with CI/CD pipelines, ensuring seamless scaling during seasonal traffic spikes.

CERTIFICATES / TECH STACK

AWS CLOUD, ARCHITECT, DEVELOPER
META FRONT END AND BACK END

JAVA BY TIM BUCHAWKA
PYTHON BY PIERIAN DATA SCIENCE
WEB DEVELOPMENT BY ANGELA WU
SWIFT DEVELOPMENT BY ANGELA WU
CS50 & CS50PyJS & CS75
CCNA NETWORKING
MACHINE LEARNING - Andrew Ng

Front End Development:

- Next.js, React, Tailwind CSS, HTML/CSS

Mobile Development:

- Swift (iOS), React Native, Flutter

Back End Development:

- Node.js (Express)
- Java (Spring Boot)
- Python (Flask, Django)
- REST APIs & Networking
- Focus on microservices architectures

Databases:

- SQL: MySQL, PostgreSQL
- NoSQL: MongoDB

Data Science & Machine Learning:

- Python for Data Science (NumPy, Pandas)
- AI & Deep Learning (TensorFlow, PyTorch)

Cloud & DevOps:

- AWS (EC2, S3)
- Docker for containerization
- CI/CD pipelines for automated builds and deployments

MEMBERSHIPS / ORGANIZATIONS

University of Texas at Arlington, College of Business Senator for Student Government
Association of Information Systems Students-Software Development and Data Science
Delta Sigma Pi Professional Business Fraternity - Chancellor
Intramural Soccer Champions

INTERESTS

Athletics - Soccer, Martial Arts
Reading books, writing poetry
Travelling
Self - Improvement
Anime & Videogames