

Tehsein Firoze Akhtar

MSc in Computer Science Student

A master's student in computer science who is driven to develop logical and innovative software and data-related solutions. As a young aspiring engineering professional, I've discovered that I can go a long way by honing my skills in the ever evolving and exciting "tech" industry. I also have the capacity to work well in a variety of groups and excellent communication abilities, as well as a strong desire to learn.

tehseinf@gmail.com

+353 (89) 486 1390

Dublin

linkedin.com/in/tehseinfiroze

github.com/tfiroze

EDUCATION

MSc in Computer Science (Conversion)

University College Dublin

09/2022 - 01/2024

Academic performance

- 3.5/4.2 GPA

Electronics and Communication Engineering B-Tech

Vellore Institute of Technology

07/2018 - 05/2022

Academic performance

- 8.38/10 CGPA

PROJECTS

Post Quantum Cryptography and a demonstration of Quantum key distribution using Python

- In this project, we simulate a secure cryptography system through quantum key distribution using the BB84 protocol. Furthermore, a Python program was developed to enhance the protocol and allow the transmission of data.

User-based RPG using Python on Jupyter Notebook

- The goal of this project is to employ OOPS principles to create a user-based role-playing game (RPG) with various classes.

COVID-19 Death Risk Prediction Models: CDC Dataset Analysis

- Worked with a dataset from the CDC to build and evaluate prediction models for death risk in relation to COVID-19

Dublin Bikes Web Application

- Deployed a web application resembling the Dublin Bikes website on AWS, leveraging an EC2 server and RDS. Developed a Flask backend, integrated the Google Maps API, and constructed an ML model based on data obtained from the Dublin Bikes API.

Asteroids Game on Java

- Utilizing JavaFX, an asteroid arcade game was crafted. The game included multiple moving asteroids, projectiles, alien ships, and a dynamic high score system.

WORK EXPERIENCE

Front End Web Developer Intern

Bluelearn

06/2021 - 11/2021

Achievements/Tasks

- Worked on many modules of the website while continuously testing until requirements were met
- Recurring daily tasks using HTML, JavaScript, and CSS
- In-depth training of the entire web development process (design, development and deployment) and layout aesthetics

Contact : Shreyans Sancheti (Founder) - shreyans@bluelearn.in

SKILLS

Python, C, C++, Java

MySQL

HTML, CSS, JavaScript, React, Node, Flask

AWS - EC2, RDS

Shell programming

GIT

Data Analytics

AGILE

ORGANIZATIONS

Public Relations Head - VIT Music Club

Involved in managing and leading all club related activities which include various events with large contracts. Performed in various institutes across the country while representing the college and winning various competitions

Anokha - Volunteer (NGO)

Anokha is a non-government organisation in Vellore, India directly benefitting more than thousands of children through various live welfare projects on education, healthcare, livelihood and women empowerment

CERTIFICATES

The Complete Web Developer Course 2.0 (UDEMY)



IoT (Internet of Things) Wireless & Cloud Computing Emerging Technologies (Coursera)

Mathematics for Machine Learning: Linear Algebra (Coursera)

Data Structures by University of California San Diego & HSE University (Coursera)

Basic Statistics by University of Amsterdam

LANGUAGES

English

Native or Bilingual Proficiency

Hindi

Professional Working Proficiency

INTERESTS

Machine Learning

Cryptography

Playing Guitar

Football

Reading

Design

Songwriting