

Tufail M

tufu1102@gmail.com — +91 7448494499

<https://www.linkedin.com/in/tufu1102> — <https://github.com/tufu1102> — https://leetcode.com/u/Tufail_M

Profile

A passionate Information Technology student with a strong foundation in software development, problem-solving, and a keen interest in web development, app development, and data science. Adept at working in team environments and managing time effectively to meet project deadlines. Constantly striving to learn and adapt to new challenges.

Skills

Professional Skills:

- Problem-Solving
- Adaptability
- Team Leadership
- Time Management

Programming Languages:

- Python (Advanced)
- C (Intermediate)
- C++ (Intermediate)
- Java (Intermediate)

Web Development:

- HTML (Advanced)
- CSS (Advanced)
- JavaScript (Intermediate)
- Django (Intermediate)
- Bootstrap (Intermediate)

Data Science & Machine Learning:

- Numpy, Pandas, Matplotlib, Seaborn (Advanced)
- Scikit-Learn, TensorFlow (Intermediate)

Other Skills:

- Data Structures and Algorithms (Advanced)
- SQL (Advanced)
- Linux (Beginner)

Interests

- Web Development
- App Development
- Data Science
- Machine Learning

Languages

- Tamil (Native), English (Fluent), Hindi (Conversational)

Courses & Certifications

Problem Solving Through Programming in C NPTEL
Programming in Java (Ongoing) NPTEL
Programming in Modern C++ (Ongoing) NPTEL

Education

SSN College of Engineering, Chennai, India
B.Tech in Information Technology **2022 - 2026**

The PSBB Millennium School OMR, Chennai, India
Senior Secondary (XII), Science, CBSE Board **2022**
Percentage: 96.80%

The PSBB Millennium School OMR, Chennai, India
Secondary (X), CBSE Board **2020**
Percentage: 94.00%

Positions of Responsibility

Worked as part of a large team to conduct the 8th International Conference on Computer, Communication and Signal Processing (ICCCSP) 2024, in association with Springer, at the Department of Information Technology, SSN College of Engineering.

Projects

TSP Solver - github.com/tufu1102/TSP-Solver May 2024 - Jun 2024

Implemented a solution to the Travelling Salesman Problem using DP and NN approaches with real-time map integration to optimize delivery routes. Technologies used include Python, Django, HTML, CSS, JavaScript, and various APIs.

Student Information System - github.com/tufu1102/Student-Information-System Dec 2023

Designed a Tkinter-based desktop application integrated with MySQL to manage and track student academic and extracurricular records. The system offers CRUD functionalities and generates real-time reports for easy data analysis.

Hotel Reservation System - github.com/tufu1102/Hotel-Reservation-System Jun 2023 - Jul 2023

Created a Python-based application for booking hotel tables using Tkinter for the GUI and CSV files for data storage. Implemented OOP principles and data structures like linked lists and hash tables.

AC Service Booking System - github.com/tufu1102/AC-Booking-and-Service-System Feb 2022

Built an AC Reservation and Service System in Python with Tkinter and MySQL. The system allows customers to manage their AC reservations and service bookings, including features to book, cancel, and customize orders.

Parkinson's Disease Detection (Ongoing) - Research Project Sep 2024

Developing an ensemble deep learning model for the early detection of Parkinson's disease using multimodal data, including speech and gait patterns. Leveraging CNNs and LSTMs, the project utilizes Python, Numpy, Pandas, and TensorFlow to build an accurate prediction model aimed at aiding early diagnosis and treatment.