

037-Sewanagar
Gaya, Bihar – 823001

github.com/mohammad-imran01

MOHAMMAD IMRAN

linkedin.com/in/mohdimran01

+91-9693085174

+91-9931318235

imranmbhd2412@gmail.com

Employment

AerX Labs

Software Engineer

Bengaluru, India

Jan 2024 | Present

- Developed navigation system for G1000 PFD-MFD Flight simulator displays using C++ and QT.
- Implemented Flight Plan, NAV-COM frequencies functionalities, etc., following Garmin G1000 specifications.

AerX Labs

Software Development Intern

Bengaluru, India

Sep 2023 | Jan 2024

- Developed G1000 for flight simulators: Created PFD&MFD displays with C++ QT. Used simconnect library to retrieve simulation data from Prepar3d.
- Implemented an Inter-process communication application for efficient data flow mechanisms via TCP handshake, to share simulation data between applications.

Education

8.76 CGPA (BTech)
Information Technology

Bengal College of Engineering and
Technology

2019-23

Durgapur, West Bengal

71.03 Percentage
Higher Secondary (12th)

Mirza Ghalib College
Gaya

2019

Gaya, Bihar

9 CGPA Secondary (10th)

Gyan Bharti Public School

2017 Gaya, Bihar

Projects

- **Omnifood Web Application**

An online restaurant startup(dummy), featuring responsive food order and delivery web application, An intuitive UI with seamless navigation and engaging animations.

- Live: omnifood-imran.netlify.app

- **PvP Ninja Fight Game**

An engaging multiplayer game features endless entertainment, enabling player-versus-player competition.

- Play now: yaga-fighting-game.netlify.app

- **Movies recommender system**

A machine learning based movie recommender system. Using cosine similarity, delivers top 5 movie recommendations based on user input, ensuring 72% accuracy score.

- Checkout: github.com/mohammad-imran01/recommender-system

- **Personal portfolio website**

A personal website hosted on Netlify, with GitHub integration for easy updates. Featured skills, projects, professional links and other sections showcasing keen interest in software development

- Visit: imran-01.netlify.app

Languages and Technologies

- C++; OOPs; Data Structures, Algorithms; JavaScript, HTML, CSS; SQL databases; Python, EDA and ML;
- Qt Software development, Visual Studio Code, VS Code, Jupyter Notebook,

Additional Experiences

- Recognized as a certified 5-star C++ and SQL programmer at [HackerRank](https://www.hackerrank.com/profile/mohammad-imran01);
- Successfully solved over 450+ [LeetCode](https://leetcode.com/problems/) problems and numerous questions on various platforms.