

MOHAMMAD FIROJ

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Professional Summary

Enthusiastic and detail-oriented **Computer Science Engineer** skilled in **C++, Python, and Full-Stack Web Development**. Passionate about building scalable, user-focused applications and solving real-world problems. Strong interest in **AI-integrated web tools** and continuous learning. Driven by curiosity, collaboration, and innovation — seeking opportunities to apply and expand technical expertise in professional projects or internships.

Projects

College Management System

- Developed an interactive web-based system for managing academic activities.
- Created modules for **students, teachers, and admins** with separate dashboards.
- Enabled **assignment uploads, attendance tracking, and marks management** for better efficiency.
- Implemented secure database connections and validation.
- **Tech Stack:** C#, HTML, CSS, Bootstrap, JavaScript, MySQL, SQL Server.

Smart Task Manager — Productivity Web App

- Designed and developed a web application to **manage daily tasks, deadlines, and priorities**.
- Added features for **task creation, completion tracking, and performance analytics**.
- Implemented **user authentication** and a **responsive dashboard** for seamless workflow.
- Strengthened skills in backend integration and database management.
- **Tech Stack:** HTML, CSS, JavaScript, PHP, MySQL, Bootstrap.

GATE Preparation Assistant (Ongoing)

- Building an intelligent **exam preparation assistant** using **Perplexity API**.
 - Generates **subject-wise quizzes and explanations** dynamically.
 - Integrating features for **progress tracking and difficulty-based question generation**.
 - Aims to help students prepare efficiently with personalized learning support.
 - **Tech Stack:** HTML, CSS, JavaScript, Python, API Integration.
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Internship Experience

Full Stack Web Development Intern — Internshala | Oct 2023 – Nov 2023

- Built responsive web pages and form handling with **PHP, MySQL, and Bootstrap**.

- Collaborated on debugging, database design, and performance optimization.

Python Application Development Intern — IITM | Nov 2022 – Dec 2022

- Created desktop applications focusing on **file handling, automation, and data processing**.
 - Gained exposure to real-world development workflows.
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Technical Skills

Languages: Python, C++, HTML, CSS, JavaScript

Web Development: Bootstrap, PHP, Node.js (Learning)

Database: MySQL

Version Control: Git, GitHub

Tools: VS Code, XAMPP, Visual Studio Code

Soft Skills: Teamwork, Time Management, Problem Solving, Debugging

Education

B.Tech in Computer Science and Engineering (Lateral Entry)

Siliguri Institute of Technology, MAKAUT | 2024 – Present

Diploma in Computer Science and Technology

Darjeeling Polytechnic Institute | 2021 – 2024

Higher Secondary (12th) — Ghoom Boys H.S. School | 2019 – 2021

Madhyamik (10th) — Ghoom Boys H.S. School | 2012 – 2019

Certifications

- Programming for Everybody (Python) — Coursera
 - Introduction to Cyber Attacks — Coursera
 - Introduction to Front-End Development — Coursera
 - SQL: Practical Introduction — Coursera
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Achievements

- Successfully developed and deployed multiple full-stack web projects.
- Actively contributing to open-source and self-learning via platforms like Perplexity and GitHub.
- Recognized for creativity and dedication in collaborative projects.