

# Md Saqueb Hussain Siddique

## Analyst

Targeting **Analyst / Tech roles** with an organization of high repute, offering opportunities to enhance my skills and contribute meaningfully through data-driven insights and innovation.

## Contact



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## Academic Details

- Bachelor of Technology (B.Tech.)**

- Computer Science & Engineering**

Lovely Professional University, Punjab

CGPA: 7.17

## Soft Skills

Problem-Solving | Time Management | Team

Collaboration | Adaptability | Communication

## Technical Skills

- Programming Languages:**

Python, R, SQL

- Tools & Libraries:**

Power BI, Tableau, Pandas, NumPy

- Platform:**

MySQL, Git, VS Code, Google Colab, Jupyter Notebook

- Other:**

Data Visualization, Data Cleaning

## Core Competencies

Data Analysis & Visualization

Data Preprocessing

Reporting & Dashboards

Debugging

Predictive Modelling

Project & Team Management

Statistical Analysis

## Personal Details

**Date of Birth:** 25<sup>th</sup> March 2003

**Languages Known:** English, Hindi and Punjabi

**Address:** Durgapur, West Bengal

## Profile Summary

- A detail-oriented and innovation-driven **Analyst** with a B.Tech in Computer Science & Engineering.
- Skilled in data analysis, preprocessing, visualization, and predictive modelling using Python, R, SQL, Power BI, and Tableau.
- Developed an AI-powered **Personal Assistant (F.R.A.I.S.)** capable of automating daily tasks like web search, email, news reading, and class attendance.
- Built a **Self-Driving Car prototype** using IoT components with features like obstacle avoidance, line tracking, and multi-mode navigation.
- Strong understanding of statistical analysis, data cleaning, and dashboard reporting.
- Demonstrated leadership and innovation through campus projects and event management.
- Passionate about leveraging data and technology to solve real-world problems and create scalable solutions.

## Academic Projects

### Self Driving Car Using IoT

Feb 2024 – Apr 2024

**Tools:** Arduino IDE, C/C++, Ultrasonic Sensor, Infrared Sensor, Bluetooth (HC-05), L298N Motor Driver, Servo Motor, IR Remote, Battery Modules

A miniature IoT-based autonomous vehicle system with multi-mode navigation, obstacle avoidance, and real-time control.

#### Responsibilities:

- Developed a self-driving prototype vehicle capable of navigating via **infrared line tracking**, **ultrasonic obstacle detection**, and **remote Bluetooth/IR control**.
- Engineered an obstacle avoidance system using **ultrasonic sensors** and **servo motors** to dynamically detect and evade obstacles.
- Integrated **infrared sensors** for line following and precise route adherence, simulating real-world autonomous delivery paths.
- Implemented multi-control modes including **Bluetooth app-based steering**, **IR remote control**, and **autonomous operation**, ensuring flexible user interaction.
- Designed modular architecture using **Arduino UNO**, **L298N motor driver**, **HC-05 Bluetooth module**, and a custom-built chassis with motorized wheels.

### Personal Assistant (F.R.A.I.S.)

Jan 2022 – March 2022

**Tools:** Python, Pyttsx3, Speech Recognition, Selenium, OS, Platform

An AI-powered virtual assistant developed using Python for voice-activated task automation and intelligent system control

#### Responsibilities:

- Built a female-voiced assistant capable of executing tasks via voice commands including web search, email automation, playing music, reporting news, and more.
- Integrated modules such as **Speech Recognition**, **pyttsx3**, **Wikipedia**, **Selenium**, and **SMTPLIB** to enable speech I/O, automation, and natural interaction.
- Enabled automation for login and class attendance via MyClass portal using Selenium web driver and XPath navigation.
- Implemented features for **YouTube search**, **weather updates**, **system control** (shutdown, restart), **daily news briefings**, and **application launching** (e.g., VS Code).
- Demonstrated modular design and real-time execution logic within the main() function, emphasizing usability and extensibility.
- [GitHub Repository](#)

## Academic Achievements

- Authoring a **Research Paper** on Self Driving Car to be published soon.
- Won 1st Prize (Management) in **Innotek 2023 Innovation & Graduating Project Expo, LPU**.
- Represented **Student Organization KHOJ**, organized major campus events.