

# Nazirkhan Muhammad Farhaan

PHONE:  
+230 5\*\*\*\*\*

EMAIL:  
farhaannazirkhan02@gmail.com

PORTFOLIO:  
[nfarhaan.com](https://nfarhaan.com)



## PROFILE

I am a software engineer, Medium article writer, and entrepreneur with expertise in IoT, AI, RPA, and full-stack development, especially with Flutter and Firebase. My skills enable me to design robust, scalable solutions, and I am passionate about creating applications for the internet. Driven by a desire to keep learning, I aim to bridge complex systems with user-friendly experiences, using automation and smart integrations to develop impactful products for users and businesses.



## SKILLS

### COMPUTER SKILLS

- MS SQL Server
- Microsoft Word/PowerPoint/Excel
- Figma
- Machine Learning
- Jira Software
- Firebase Firestore
- Firebase Realtime DB
- Android Studio
- Arduino IDE
- GitHub Version Control System
- Robotics Process Automation
- Unity 3D
- Adobe Lightroom
- Python/ Java & C++ Programming
- Visual Studio/ Vs Code
- OS (Windows/macOS/Linux)
- HTML5/ CSS3 & Figma
- Internet of Things (IoT)



## WORK EXPERIENCE

### Software Engineering Intern

Oct 2023 – Dec 2023

ClarityLabs Limited | Office 201F, The Factory, Vivea Business Park

- Implementation of an internal system, Super app, to reward CLARITY employees for their good work
- Full maintenance of the Super app (Loyalty App, CLARITY Chatbot, Quiz App & Innovation Hub)
- Received training on Scrum framework & SAP technologies
- Gathered requirements with different stakeholders for the project
- Development of web app version using flutter technology
- Provided support in User Acceptance Testing phase
- Prepared user manual and technical documentation

Technologies used: Jira Software, Flutter, Dart programming, Google Firebase, Figma



## EDUCATION

### BSc (Hons) SOFTWARE ENGINEERING

2021 - 2024

University of Mauritius (Present)

- **Awarded Merit (Year 1)**
- **Awarded Merit (Year 2)**
- Awarded 1<sup>st</sup> Prize in FoICDT Logo Competition
- Awarded 2<sup>nd</sup> Prize in Hauwei SAR Innovation Competition
- Awarded 2<sup>nd</sup> Runner Up in Call for Code Fair Work Case Competition
- Awarded Best Team Player in Smart Farming System Competition

### CAMBRIDGE A-LEVEL

2019 - 2021

Beekrumsingh Ramlallah SSS

- **Awarded A\* in Computer Science**
- **Awarded A in Physics**
- **Awarded A in Maths**
- *Awarded Best Student*
- *Awarded First Prize In Maths, Physics and Computer Science*
- *Member of Prefect Body*

### CAMBRIDGE O-LEVEL

2017- 2018

Beekrumsingh Ramlallah SSS

## PERSONAL SKILLS

- Planning and Forecasting
- Leadership and Training
- Creative Problem Solving
- Flexibility
- Communication
- Teamwork

## Languages

- Creole (Native)
- English
- French
- Urdu



## SOCIALS

### LinkedIn

<https://www.linkedin.com/in/nfarhaan>

### Github

<https://github.com/nfarhaan>

### Kaggle

<https://www.kaggle.com/work>

### Medium

<https://nfarhaan.medium.com>

### Portfolio

<https://nfarhaan.com>



## PROJECTS

- **Heart Attack Prediction Using ML R&D** **Aug 2024 – Sep 2024**  
*This research focuses on using machine learning models, specifically Decision Tree and MLP, to predict heart attack risk, utilizing a robust dataset and optimizing performance through hyperparameter tuning and critical feature selection.*  
Ref: [GitHub Link](#), [Medium Link](#), [Kaggle Link 1](#), [Kaggle Link 2](#)
- **AI & IoT Driven Smart Greenhouse System** **Dec 2023 - Present**  
*The aim of the dissertation/project is to develop an innovative multifaceted solution (Software & Physical System) to boost resilience and sustainability of agriculture in Mauritius in the face of global warming and changing weather patterns.*  
Ref: *Not Yet Published (Writing Research Paper)*
- **Intelligent Bookkeeping System** **Dec 2023 - Present**  
*Developed an Intelligent Bookkeeping System automating sales invoicing, purchase tracking, and stock level updates using UiPath, SQL Server, Cloud Vision AI, State of Art GPT Models and APIs, improving efficiency, accuracy, and real-time data management.*  
Ref: [GitHub Link](#)
- **Automated Stockbroker System** **April 2024**  
*Utilizes UiPath Studio and integrates with web browsers and MS Excel to make informed decisions based on the current stock prices and predefined rules.*  
Ref: [GitHub Link](#)
- **Intelligent Email Auto Responder** **April 2024**  
*This project aims to automate the response process for incoming emails using UiPath and OpenAI's API. It ensures timely and contextually relevant replies to email inquiries, enhancing customer interaction and satisfaction.*  
Ref: [GitHub Link](#)
- **Gallery by nfarhaan** **April 2023 – Present**  
*A stock of high-definition photos, free for commercial and personal use under CCA 4.0 License.*  
Ref: [Website Link](#)
- **Harmony E-Commerce Website** **Feb 2023 - March 2023**  
*An online platform which allows sellers to buy and sell eco-friendly products.*  
Ref: [GitHub Link](#)
- **AI Traffic Light System** **Feb 2023 - March 2023**  
*Implementation of computer vision to help increase the efficiency of current traffic light system.*  
Ref: *Not yet published (Writing Research Paper)*

- **Shortest Path Finder GUI Software** Jan 2023  
*Program that generates all possible paths from a set of randomly generated nodes by permuting them in lexicographic order.*  
Ref: [GitHub Link](#)
- **Arduino Greenhouse System Using IoT** Nov 2022  
Implementation of sensors and Arduino UNO to make greenhouses more efficient and autonomous.  
Ref: [GitHub Link](#)
- **Infinite Loop (Cross Platform 3D Game)** Dec 2021 - Jul 2022  
A 3D multiplayer role-playing game made with the Unity Game Engine, consisting of multiple levels, weapons, enemy types and items.  
Ref: [Itch.io Link](#)



## LICENSES & CERTIFICATIONS

- Cloud Computing/ CompTIA Cloud+ Cert. (CV0-002) - [Ongoing](#)
- Enterprise Systems Fundamentals with SAP S/4HANA
- Java SE 8 Programming Language
- Internet of Things
- Python Programming Fundamentals
- Artificial Intelligence Fundamentals



## HOBBIES & INTERESTS

- Swimming: Completed level 3 at Riviere du Rempart Swimming Pool
- Resistance Training
- Stock Market Investments
- Front-End Development