

# Huzaifa Kamaal Khan

huzaifakamaalkhan@gmail.com | +919763497867 | Pune, MH, India

**Linkedin | GitHub | LeetCode | HackerRank**

## Summary

Aspiring Software Engineer (GPA 10.0/10) with strong **DSA & OOP skills**. Top 10 in ISRO Hackathon 2025, **IBM-certified** in Quantum Computing, and IBM Quantum Advocate. Experienced in building scalable, high-performance software using Agile & SDLC best practices.

## Education

JSPM's Jayawantrao Sawant College of Engineering

Hadapsar, Pune, MH, India

**Computer Engineering - Bachelor of Engineering (B.E) - GPA: 10**

2023 - Present

Jai Hind Jr. College

Pune, MH, India

Science (PCMB) – HSC - Percentage: 76.50%

2021 - 2023

Kilbil High School & Jr. college

Pune, MH, India

SSC - Percentage: **97.80%**

2020 – 2021

## Experience

**Microsoft & SAP (AICTE Program) | AI Intern**

Feb 2025 - March 2025

- Built and deployed a **Physical Fitness Tracker** using Streamlit with **98%** accuracy.
- Applied ML on physiological data; used TensorFlow, Pandas for model training.
- Completed **4-week AI internship** with expert mentorship and hands-on project work.

**Adverk Technologies | AI Intern**

Aug 2024 - Oct 2024

- Engineered **end-to-end AI ML models** achieving **95%+** accuracy for predictive analytics.
- Optimized algorithms to reduce processing time by **35%**, enhancing system efficiency.

## Skills

**Programming Languages:**

C++ (**Data Structures & Algorithms**), Python, Javascript, CSS, HTML

**Libraries/Frameworks:**

**MERN Stack** (MongoDB, Express.js, React.js, Node.js), TensorFlow, Keras, scikit-learn, Flask, Streamlit

**Tools / Platforms:**

Git, VS Code, IBM Watson, OMNeT++, Veins, Jupyter Notebook.

**Databases:**

MongoDB, MySQL

**Core CS Concepts:**

Arrays, Trees, Graphs, Hashing, Sorting, Search, Dynamic Programming, Encapsulation, Inheritance, Polymorphism

**Methodologies:**

Agile, Scrum, Test-Driven Development (TDD), Code Reviews, SDLC best practices

**Quantum Computing**

Qiskit, IBM Cloud

**Selected Coursework:**

Data Structures & Algorithms, Operating Systems, Database Management Systems, Computer Networks, Software Engineering, Quantum Computing, Machine Learning

## Projects

**- Quantum Circuit Playground**

Qiskit, Flask, HTML, CSS, Javascript

Developed an interactive web platform enabling users to **design quantum circuits** by **clicking gate buttons without prior coding knowledge**. Implemented **real-time circuit rendering**, **3D statevector visualization**, and **step-by-step explanations of circuit operations**. Integrated **automatic QASM code generation** for execution and educational purposes.

**- Detection of Interest Flooding Attack in VNDN**

NDN (Named Data Networking)

Selected as a **Top 6 finalist** nationwide, developed a **VANET-based AI** security system for **Smart Cars** that detects & blocks Interest Flooding (IFA) and 3 other attacks within **5 ms**, achieving **97%** accuracy.

**- CodeHeaven - Coding Website | [Link](#)**

HTML, CSS, JavaScript

Developed CodeHeaven, a programming language learning platform offering tutorials, exercises, and a real-time code editor for all languages like Python, Java, C++, SQL and more.

**- Heart Disease Prediction | [Link](#)**

Python, HTML, CSS, Javascript

Designed and deployed a Machine Learning model predicting heart disease risk with **92%** accuracy, enabling early diagnosis support via a user-friendly web interface.

**- Personal Fitness Tracker WebApp | [Link](#)**

Python, Machine Learning

Developed a Streamlit-based web app during **AICTE internship** to predict calories burned using age, gender, BMI, duration, heart rate, and body temperature, achieving **98%** prediction accuracy.

**- TripGenie-Travel Planner | [Link](#)**

CSS, JavaScript, HTML

Developed during **Codecircuit Global Hackathon**, this web app allows users to create personalized trip itineraries and download/share them as **PDFs**, improving trip planning efficiency.

**- Pomegranate Disease Detection**

Machine Learning

Hybrid Model for Pomegranate Fruit Dataset of Diseases Classification using **VGG16** and **ResNet50**, achieved **94.15%** test accuracy.

**- Grapes Disease Prediction**

Machine Learning

Hybrid Model using **CNN** and **LDA** to detect Grapes Disease, achieved accuracy of **97.94%**.

**- College Admission Chatbot**

IBM WatsonX

Built an interactive chatbot using **IBM Watsonx** to assist with college admissions queries.

## Certifications

---

- **IBM Badge & Certificate** – Basics of Quantum Computing
- Certificate of Recognition as the Finalist of KPIT Sparkle 2025 - **KPIT**.
- AWS Completion Certificate (Python & Artificial Intelligence) - **AWS**.
- IBM Enterprise Grade AI Completed Course on AI Integration - **IBM**.
- TATA Crucible Certificate - **TATA**.
- Artificial Intelligence Course Completion - **Adverk Technologies**.
- Generative AI for Educators Certificate - **Google**.
- Flipkart Grid 6.0 Participant - **Flipkart (Unstop)**.
- Generative AI Studio Course - **Google Cloud**.

## Achievements

---

1. **Selected as Top 6 Finalist** Nationwide - **KPIT Sparkle 2025**
2. **Ranked Top 10 Nationwide** – **ISRO Bharatiya Antariksha Hackathon 2025**
3. **Quantum Computing Advocate (IBM)** – Selected for **IBM Quantum Advocate Program**
4. Won **3rd Prize** at **CODECRAFT Hackathon 2025**
5. Shortlisted for freelance paid opportunities by **Outlier.ai** for outstanding frontend project in **CodeCircuit Hackathon**.