

Mohammad Ansah Kuriyodath

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Education

Bachelor of Technology

Sardar Vallabhbhai National Institute of Technology, SVNIT

Major in Computer Science and Engineering.

Expected Graduation June 2025

Cumulative GPA: 8.45/10

Positions: ACM-NIT Surat Executive, GDSC Developer

2021 – 2025

Surat, India

Professional Experience

QAMP SPRING 2023 MENTEE

04/2023 – 07/2023

IBM

Contributed to the development of a **Python**-based application for monitoring and sharing trials in Qiskit.

Responsibilities:

- Designed and constructed a robust application for tracking and managing trials.
- Developed the API backend using **Django Rest Framework**.
- Integrated the storage system with the **S3 backend** for seamless data storage and retrieval.
- Wrote tests for code to ensure quality and reliability using **pytest**.

Qiskit Advocate

09/2021 – present

IBM

- Founded a Qiskit club introducing IBM Quantum and Qiskit among **200 enthusiasts** and organized regular workshops and sessions.
- Mentored in IBM Quantum Fall Challenge 2022 and various Qiskit events where **1640 participants** learned and applied quantum computing concepts.

Projects

REPORT.AI

02/2023

- Designed a web extension that can provide a comprehensive summary of a webpage, answer queries, and rate the web pages
- Utilized various technologies such as **Flask, JavaScript, and REST APIs**.

StudySense AI

07/2023

- Developed a Full stack application that can improve productivity by organizing the PDFs and tracking the analytics
- Integrated the **Django Backend** and **React Frontend** using **REST APIs**

Gesture-Scroll

08/2023

- Created an accessibility tool using **deep learning** for effortless control of devices through hand gestures.
- Implemented an advanced gesture recognition system with a custom deep learning model, accurately detecting various hand gestures.

Skills

Web Development

Django and Flask frameworks, S3 storage integration, Django REST Framework for API design.

Languages

Proficient in Python, C++, C, and SQL. Experienced in Git version control system

Data Science

Applied machine learning and deep learning techniques using the TensorFlow framework to analyze and model for various projects.

Soft Skills

Effective communicator; adaptable; skilled problem solver; collaborative team player.

Achievements

- Secured 1st place in GDSC Winter of Code, developing a website for Dostean Cafe.
- Awarded for outstanding performance in Unitary Hack 2023, integrating the isso commenting system with the QECFT textbook.
- Attained a top 2% ranking in the IBM Quantum Challenge 2020.
- Achieved a top 50 ranking out of 1000 participants in Dotslash by creating developer tools for VS Code.