

Danish Sheikh

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EDUCATION

BTech In Computer Engineering

Dec 2021 – May 2024

Bharatiya Vidya Bhavan's Sardar Patel Institute Of Technology (SPIT)

CGPA: 9.04

Diploma In Computer Engineering

Aug 2018 – Jul 2021

K. J. Somaiya Polytechnic

Score: 98.40%

TECHNICAL SKILLS

Go Lang

C++

Python

Kubernetes

Red Panda

Model Context Protocol

Postgres

PROJECTS

Swagger MCP

Feb 2025 – Mar 2025

Independent Project

- Developed a tool that extracts **swagger.json** to dynamically generate **MCP tools** for seamless integration of any **backend server** with **LLMs**
- Focused on **error handling**, **LLM behavior control**, and **hallucination problems** to enhance response accuracy
- Published the tool as a **Go package** for **easy installation** and **deployment**

ARIOT

Jan 2023 – May 2023

Independent Project

- Developed an Android app that integrates **indoor navigation** and enables control of **IoT devices** using **AR buttons**, providing enhanced user interaction and convenience
- App was built in **Unity 3D**, implementing **indoor navigation** using **NavMesh** and **A* algorithm**, incorporating **Vuforia** for **image tracking** of **AR buttons**, and integrating **IoT devices** via **WiFi module** and **Blynk API**

Rotaract Club Of SPIT

Oct 2022 – Nov 2022

Technical Head

- Created a **blog** website to showcase and promote events organized by the Rotaract Club
- Website was developed using **PHP**, incorporating a **CMS Admin Panel** that allows for **easy management** of events and members, as well as **integration** of **social media posts** from platforms like Instagram

WORK EXPERIENCE

ISS STOXX

Jan 2024 – present

Intern + Junior Analyst, Innovation Lab

- **Logger:** Built a logging solution for **Kubernetes** in **Go**, streaming node level logs to **Redpanda**, enabling realtime **anomaly detection** and Slack alerts
- **API-MCP:** Built a custom **MCP server** to connect **LLMs** with internal APIs, modified **MCP-Go SDK** and created a **Gemini client** to communicate with the **MCP server**
- **IAM:** Designed an **authentication** system replacing individual app signins with a single IAM platform supporting **LDAP**, **OTP**, and **token based** verification, built with **H2O wave** and **Go**
- **Shell Accessor:** Created a **web** based **Docker container** access tool with **session tracking**, built with **Solid.js** and **Go**
- **Load Balancer:** Developed a load balancer in **Go** for **scaling** apps, with **InfluxDB** integration for **system** and **request monitoring**
- **Cluster Accessor:** Built a UI based tool using the **Fyne** framework to simplify **Kubernetes** cluster access via **K9s**
- Worked on **8+ projects** in parallel, covering backend, frontend, security, and LLM, while managing internal cloud infrastructure and gaining deep insights

Arcon

May 2023 – Jul 2023

Software Developer Intern

- Contributed to the development of the drut application, a **data collector** and **analyzer bot**
- Bot built on **.Net** extracts insight on exceptions from multiple companies' data and provides actionable recommendations