

# MAYANK AGGARWAL

☎ +91-8860729957 ✉ mayankagg9722@gmail.com 🌐 in/mayankagg9722 📄 mayankagg9722 🌐 Portfolio

## EDUCATION

**Vellore Institute of Technology, Vellore**

May 2015 – May 2019

*Bachelor of Technology in Computer Science*

CGPA: 8.50

**Vivekanand School, Delhi**

March 2015 & March 2013

*Class: XII(CBSE) & Class: X(CBSE)*

Score: 91.50% & CGPA: 10

## EXPERIENCE

**Microsoft, Azure**

Sept. 2025 - Present

*Senior Software Development Engineer*

*Hyderabad, India*

- Currently building resiliency capabilities with backup and disaster recovery for **Azure Cosmos DB**, ensuring enterprise-grade data protection and business continuity for mission-critical workloads.
- Led **Azure BCDR** engineering team for AKS in designing and delivering enterprise grade GA (General Available) Data Protection solution for **Azure Kubernetes Service** ensuring robust backup and disaster recovery capabilities for critical workloads. Actively contribute to **Velero** open source project (CNCF) for Kubernetes backup and disaster recovery.
- Onboarded Fortune 500 enterprise customers and supported more than a **million** backups with SLA of **99.99** for backup and restore with SLA of **100**. Presented the Azure AKS BCDR solution in **KubeCon Europe Paris 2024** engaging with over **15000** attendees which was hosted by **Linux Foundation**.

**Microsoft, Azure**

June 2019 – Sept. 2025

*Software Development Engineer 1 & 2*

*Hyderabad, India*

- Built out the abstraction in the control plane, delivering the highly distributed and scalable **Service Fabric** microservice from the ground up. Led the development of the core **Workflow State Machine**, enabling seamless integration of workload plugins such as Azure Disk and AKS for long-running backup and restore workflows.
- Led and mentored interns on the integration of **Distributed Redis cache** in the management plane to optimize performance, resulting in significant latency reduction by 30%.
- Implemented and delivered the foundational **Resource Move** capability for Azure BCDR, enabling customers to efficiently migrate Azure resources at scale across subscriptions and tenants during large-scale migrations.
- Developed a manifest-driven, dynamic user interface feature for the Azure BCDR Portal using TypeScript, enabling scalable UI architecture and seamless onboarding of multiple workloads without requiring code changes.
- Worked for onboarding **backup vault service** to secure government Azure cloud for China and United States.

## SKILLS

**Languages:** C++, C#, Golang, .NET, Java, Python, Flask, NodeJS, Bash

**Cloud, Infrastructure:** Azure, Kubernetes, Docker, AWS

**Databases:** SQL, MongoDB, Azure Table, Blob, Fileshares, Firebase

**Mobile and Web:** Android, ReactJS, ExpressJS, AngularJS, HTML5/CSS3, Typescript, JavaScript, JQuery, Bootstrap

## PROJECTS

**Gardianscale — Next-Gen CI/CD Platform**

[Project Link](#)

- Built a next-generation CI/CD platform with intelligent elastic caching (Node, Docker, Java, Python) and automatic infrastructure provisioning using **Kubernetes, Docker, and Go**, accelerating builds by up to **50x** with zero configuration and providing **4x** faster cache performance through intelligent caching mechanisms.

**VIT GO — Android Application**

[Project Link](#)

- Developed high traffic Android App with over **33K** users with over **100K impressions** per day which aims to bring every academic details on their fingertips. It displays all the academic information for students and with a lot of customize features. This app also **ranked 3<sup>rd</sup>** in productivity category in India on Google Play Store.

**EDGE.FIT — AI Gym Trainer**

[Project Link](#)

- It is a virtual personal fitness trainer which uses **Computer vision**, and Intelligent Edge and Cloud computing to help users achieve their fitness goals efficiently.

## ACHIEVEMENTS

**Microsoft Garage Hackathon:** 1<sup>st</sup>/85 teams. [Link](#)

**NASA SpaceAppChallenge'17:** 18<sup>th</sup>/105 globally in world. [Link](#)

**Apple Developers Group, App-A-Thon'17:** 2<sup>nd</sup>/100 teams. [Link](#)

**Google Developers Hackathon - Devfest'16:** Platinum Prize Winners. [Link](#)

## SOCIETIES

Google Developer Group, Team Sammard, Creation Labs, IEEE-CS