MAYANK AGGARWAL

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EDUCATION

Vellore Institute of Technology, Vellore   May 2015 – May 2019
Bachelor of Technology in Computer Science   *CGPA: 8.50*

Vivekanand School, Delhi   March 2015
Class: XII(CBSE)   *Score: 91.50%*

Vivekanand School, Delhi   March 2013
Class: X(CBSE)   *CGPA: 10*

EXPERIENCE

Microsoft, Azure   Sept. 2021 - Present
Software Development Engineer 2   *Hyderabad, India*
- 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.
- 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 all across the globe which was hosted by **Linux Foundation**.

Microsoft, Azure   June 2019 – Sept. 2021
Software Development Engineer 1   *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

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 3rd** 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.

Smart Kitchen — IOT & Android   **Project Link**
- This project built using **IoT hardware tool Raspberry-Pi and NLP voice conversion API along with Android integration**. The purpose is to ease the process of cooking in the kitchen with help of technology. It helps in sorting out the ingredients in the kitchen and getting recipes through voice commands.

ACHIEVEMENTS

Microsoft Garage Hackathon: *1st/85 teams.* Link
NASA SpaceAppChallange'17: *18th/105 globally in world.* Link
Apple Developers Group, App-A-Thon'17: *2nd/100 teams.* Link
Google Developers Hackathon - Devfest'16: *Platinum Prize Winners.* Link

SOCIETIES

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