



Deep M. Mehta (he/him/his)

Full Stack Software Developer |
Cloud & DevOps Engineer

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PERSONAL PROFILE

Full-stack software developer with a passion for creating innovative solutions. Detail-oriented and organized professional with creative mindset and strong technical abilities.

AWARDS



Spark Award
Microsoft - 2021



Best Assoc. Consultant
Microsoft - 2021



Winner - CodeAdventure
App Dev Marathon
Somaiya - 2017

EDUCATION

North Carolina State University, USA | MCS

Aug 2022 - Dec 2023 [CGPA: 4.0]

K. J. Somaiya College of Engineering, India | B.Tech CE

Aug 2015 - May 2019 [CGPA: 9.12]

PROJECT SHOWCASE



Potential Performance Predictor | ML Model

[Python, Jupyter-Notebook] - Apr 2023

- This project is an ensemble of seven different ML techniques applying training and evaluation similar to Adaboost.
- It predicts the probability of success of a new employee in the company's current work environment.



Password Manager | Azure Cloud Solution

[C#, Blazor, Azure, DevOps] - Aug 2021

- This application securely stores passwords using the most sophisticated security mechanisms provided by Azure.
- Azure components include Azure AD, Azure KeyVault, Azure VNet and Azure APIM



Set-Variable | GitHub Action

[YAML, Powershell, DevOps] - Nov 2020

- This reusable IP replicates the library groups functionality of Azure DevOps to GitHub Actions.
- This has been used on multiple large projects within Microsoft.
- This is added to GitHub Marketplace as an open-source tool.



Oncue - Reminder App | Android App

[Java, XML, SQL, Facebook Graph] - Sep 2017

- First Prize in app marathon competition.
- Reminder app with a twist, it detects people around and allows you to set reminders based on vicinity of a person using bluetooth.
- 500+ Downloads on google play store.

EXPERIENCE



May 2023 - Aug 2023 (Internship)

Amazon | SDE - Alexa Retail

[Java, React-Native, AWS]

- OCR - Text extraction and analysis:** Developed and deployed an end-to-end feature to production that extracted information from a user-uploaded image using AWS Textract which eliminated manual efforts for customers. This feature positively impacted more than 50K monthly active users by reducing the time required to complete the process by 85%.
- Architecture:** Designed the backend architecture with the end goal of reducing user-perceived latency utilizing industry best practices.

July 2019 - July 2022 (Full-Time)



Microsoft | Software Developer - Azure Cloud & AI

[C#, ASP.NET, Angular, React, Java, Azure, DevOps]

- Web Applications & Backend APIs:** Developed Azure cloud solutions with front-end web applications using Angular, React, and back-end APIs using C#, Node JS, and Java.
- Cloud Governance:** Implemented cloud governance using Azure Policy for a banking customer to secure their banking cloud infrastructure. Lead the offshore development team while working with customer for 18 months.
- Monitoring Clinical Research Data:** Developed an IoT-based solution using Azure components including FHIR and IoT hub for a healthcare customer which was used by researchers to retrieve and analyze participant's data from wearable devices.
- DevOps Dojo:** Contributed as a core team member of the DevOps Dojo initiative at Microsoft where I was involved in the development of DevOps IP and conducting masterclasses for employees and customers.



January 2018 - March 2018 (Internship)

Eloquent Techart Pvt Ltd. | Android Developer

[Java, Android XML, SQL, NoSQL, Firebase, Adobe XD]

- Healthcare & Utility Industry:** Developed a healthcare app for clinics and a utility app for fishermen. Integrated functionality of document scanning using OpenCV which eliminated the need of maintaining hard copies of patient records thereby increasing the efficiency of the clinics.

TECHNICAL SKILLS

[AZURE]	[AZURE DEVOPS]	[ASP.NET C#]	[PYTHON]
[AWS]	[GITHUB DEVOPS]	[SQL]	[NoSQL]
[FIREBASE]	[REACT JS]	[ANDROID]	[KUBERNETES]
[JAVA]	[ANGULAR JS]	[RUBY]	[POWERSHELL]

CERTIFICATIONS



Azure Solutions
Architect



DevOps
Engineer



Kubernetes
Application
Developer



Leadership
Development
Program - NCSU

HOBBIES



Trekking



Travel



Volley Ball



Badminton



Reading