



**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  
Somaia - 2017

## EDUCATION

North Carolina State University, USA | MCS

Aug 2022 - Dec 2023 [CGPA: 4.0]

K. J. Somaia 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

[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 and utilized it to simplify the app flow for the end users, impacting more than 50K monthly active users.
- 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 | Technology Consultant

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

- Azure Cloud Solutions:** 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