ANUJ SHAH

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EDUCATION

IIIT-Bangalore *2018 - 2020*
M.Tech CSE CGPA : 3.75 / 4

Mukesh Patel School of Technology,Management and Engineering *July 2014 - May 2018*
B.Tech, Computer Engineering. CGPA : 3.6 / 4

SKILLS

REST API Development, Object-Oriented Design, Agile, TDD, C#, .NET Framework, .NET Core, Java, Spring Boot, Android Development, Deep Learning, Machine Learning, Automatic Speech Recognition, Python

WORK EXPERIENCE

Microsoft *August 2020-Present*
Software Engineer (To Do backend team)

- Worked on developing Graph REST APIs for Microsoft To Do. These APIs empower developers to build experiences for their customers using the capabilities provided by Microsoft To Do.
- Worked on migrating the back-end service from an old/deprecated .NET framework based SDK to a newer .NET core based SDK. I was the end-to-end owner of the telemetry and instrumentation horizontal for the service right from design and development to testing. Actively participated in various aspects of the project like design, deployment, release planning, testing
- Single-handedly on-boarded our service to a new test environment. This new test environment is faster, more robust and closer to the actual production environment. This resulted in debugging and testing time **being reduced by over 50%** and improved developer agility.

Microsoft *May 2019 - July 2019*
SWE Intern

- Designed and implemented edit APIs for Visio online. This resulted in a significant enhancement in Visio's extensibilty as earlier only read APIs were available to developers.
- To demonstrate the functionality of this enhanced API set, I developed a Timeline AddIn that uses data from Azure DevOps and displays it in a timeline diagram on the Visio canvas

Version Next India Pvt Ltd *June 2016 - July 2016*
Android Developer Intern

- End-to-End owner of developing the customer side of a taxi aggregation app allowing users to book rides, get fare estimates, view ride history, etc. Designed and developed the entire stack including the front end android app, the PHP based back-end APIs and the database schema.

RESEARCH EXPERIENCE

Publications

- Shreekantha Nadig, Sumit Chakraborty, Anuj Shah, Chaitanay Sharma, V. Ramasubramanian, Sachit Rao, "Jointly learning to align and transcribe using attention-based alignment and uncertainty-to-weigh losses," 2020 International Conference on Signal Processing and Communications (SPCOM), Bangalore, India, 2020

Thesis

- Using the ESPNet framework developed a deep learning based multilingual ASR(automatic speech recognition) system. This hybrid CTC-attention based system is able to achieve results comparable or better than it's language dependent counterparts. Additionally, this system is able to also decode code-mixed speech despite seeing no code-mixed data during it's training process.