Tanmay Sankhe | Arlington, Tx
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EDUCATION

Masters in Computer Science - University of Texas at Arlington *Jan 2022 – May 2023*
Relevant Courses: Neural Network, Data Mining, Distributed Systems, Cloud Computing and Big Data

Bachelor of Computer Engineering - St. Francis Institute of Technology, Mumbai *May 2015 – May 2019*
Relevant Courses: Artificial Intelligence, Machine Learning, Operating Systems, Database Management Systems

TECHNICAL SKILLS

Languages and Frameworks: Python, C#, Golang, C++, Java
Web Development and Database: React JS, Node.js, Flask, JavaScript, TypeScript, HTML, PHP, CSS, SQL, MongoDB
Cloud/Containerization: Azure, AWS, Heroku, Kubernetes, Docker, Jenkins
Tools and Libraries: OpenCV, TensorFlow, Keras, NLTK, Pandas, Android, Unity, Git, Bash

WORK EXPERIENCE

Senior Software Engineer *Oct 2020 – Nov 2021*
LTIMindtree Mumbai, India

- Spearheaded the development of an innovative feature, transforming client collaboration through seamless sharing of sites with external users. Engaged in cross-functional collaboration to gather requirements, conceptualize the feature, and establish key functionalities.
- Implemented a monitoring solution using Azure services to track discrepancies across over 6,000 SharePoint sites, enabling rapid response to production issues, providing detailed analytics, and resulting in a significant 20% reduction in problem resolution time.
- Achieved a substantial 30% reduction in deployment time by leveraging Docker and Kubernetes, while implementing and maintaining Jenkins CI/CD pipelines for seamless and efficient testing, building, and deployment of microservices.
- Mentored a team of 5 new graduates, fostering seamless integration into the project team. Conducted regular code reviews, ensuring adherence to industry best practices and maintaining exceptional code quality. **[Python, C#, Azure, Kubernetes, JavaScript]**

Associate Software Engineer *Aug 2019 – Oct 2020*
LTIMindtree Mumbai, India

- Engineered state-of-the-art contact recommendation feature, enhancing user experience and achieved a 4-star rating.
- Developed and integrated APIs to streamline email communication, facilitating seamless and secure exchange of information.
- Designed and implemented a robust automation solution that optimized the management of 25,000 SharePoint documents, resulting in a substantial time savings of 30% and a remarkable increase in memory efficiency by 50%.
- Collaborated on implementing an automated solution, optimizing SharePoint site creation and reducing the time required from 6 hours to less than 1 hour, resulting in improved efficiency. **[C#, Python, JavaScript, React JS, Node.js Azure, SharePoint]**

PUBLICATIONS

AirNote – Pen it Down! *ISBN: 978-1-5386-5906-9* **– *IEEE*** *Dec 2019*

- Researched and contributed to the development of AirNote, an innovative writing system based on hand gestures.
- Implemented a real-time fingertip and hand gesture detection model using RCNN with accuracy of 97%.
- Recognized with the esteemed Best Paper and Best Project Awards in 2019 by the university's Department of Computer Science.

Futuristic Finger and its Modern Day Applications. *ISBN: 978-1-7281-1772-0* **– *IEEE*** *Feb 2020*

- Enhanced the AirNote project by implementing improvements based on research findings, by reducing the latency.
- Explored diverse applications for modern-day scenarios and performed comprehensive testing to evaluate their viability.
- Attained 1st place at Mumbai Hackathon 2019, an Annual open-source Hackathon, for the implementation of the applications.

KEY ACADEMIC PROJECTS

Reinforcement Learning using OpenAI Gymnasium Environment *Apr 2023*

- Trained and tested Reinforcement models for Cart Pole and Mountain car environments, achieving successful performance for 500 steps. **[OpenAI Gymnasium, Python, TensorFlow, Keras]**

Testing Suite for Autonomous Vehicles *Nov 2022*

- Designed and built test cases for ADAS (Advanced driver-assistance system) systems on CARLA simulator. **[CARLA, Python, Flask]**

DriverDroid *Mar 2019*

- Led a team of 6 and qualified as a finalist in All India Government Hackathon 2018 for developing a Highway Safety Android App for the Highway Ministry. **[React Native, Android Studio, Java, Firebase, JavaScript**, Google API]

FoodDivert *Mar 2017*

- Created an Android application to address food scarcity issues, allowing for efficient food donation through NGOs.
- Won 1st prize in inter-college project competition. **[Android Studio, Java, Firebase, XML,** Photoshop, Google API]