Tanmay Sankhe | Seattle , WA

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SUMMARY

Skilled software developer passionate about AI/ML, with more than 2 years of practical experience. Proficient in Python and well-acquainted with cloud technologies. Recognized for leading teams and achieving outstanding results in hackathons. Committed to exploring new frontiers and harnessing technology to drive innovative solutions.

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

TECHNICAL SKILLS

Languages and Frameworks: Python, C#, Golang, C++, Java
Web Development and Database: React JS, Node.js, Flask, JavaScript, TypeScript, 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

- Led 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]**

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*

- 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*

- 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

- 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

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

DriverDroid

- 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

- Created an Android application to address food scarcity issues, allowing for efficient food donation. **[Android Studio, Java, Firebase]**