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 Networks, Design and Analysis of Algorithms, Data Mining, Distributed Systems, Special Topic in Multimedia Design Tools, Cloud Computing and Big Data, Web Data Management, Computer Graphic, DBMS Models and Implementation

Bachelor of Computer Engineering - St. Francis Institute of Technology, Mumbai **May 2015 – May 2019**

Relevant Courses: Operating Systems, Database Management Systems, Artificial Intelligence, Machine Learning

TECHNICAL SKILLS

Programming and Web: Python, C#, C++, JavaScript, Java, SQL, TypeScript, PHP, HTML, CSS

Frameworks and Tools: React JS, Flask, Azure, OpenCV, SharePoint, Git, Android, TensorFlow, Unity, AWS, React Native, Heroku, MongoDB, Keras, NLTK, Docker, Node.js, AJAX, Laravel, MapReduce, CARLA

WORK EXPERIENCE

Senior Engineer (Cloud Services and Software) – L&T Infotech, Mumbai **Aug 2019 – Nov 2021**

- Automated document management of 25,000 documents on SharePoint sites, improving memory efficiency by 50%.
- Collaborated and created an automated solution that optimized SharePoint site creation, streamlining the process.
- Implemented Azure web-job to monitor discrepancies of over 6,000 SharePoint sites which enabled faster response and detailed analytics for production issues resolution, reducing problem resolution time by 20%.
- Developed contact recommendation feature to improve customer experience with an average 4-star rating. [**Azure, C#, React JS, SharePoint**, **SQL, Python, Typescript**, Bash, HTML, CSS]

PUBLICATIONS

- **Futuristic Finger and its Modern Day Applications.** *ISBN: 978-1-7281-1772-0* – ***IEEE*** **Feb 2020**
- **AirNote – Pen it Down!** *ISBN: 978-1-5386-5906-9* – ***IEEE*** **Dec 2019**

ACADEMIC PROJECTS

Testing Suite for Autonomous Vehicles

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

AirNote

- Trained a real-time fingertip and hand gesture detection model using RCNN with 97% accuracy to attain air writing.
- Implemented features to support emoticons, drawboards and joystick controller for games like Pac Man. [**Deep Learning, OpenCV, Python, Flask, Unity, C#, Heroku, TensorFlow,** Keras, HTML, JavaScript, CSS]

FoodDivert

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

DriveSafe

- Collaboratively developed an Android application for driver safety, featuring an automated SMS notification system. [**React Native, Android Studio, Python, Flask, Heroku, JavaScript]**

CVSodokuSolver

- Fabricated an OpenCV application that captures a sudoku image as input and automatically solves it. [**OpenCV, Python**]

ACHIEVEMENTS

- Won 1st place at Mumbai Hackathon 2019, an Annual open-source Hackathon organized by ERPNext.
- 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.
- Finalist in the 12th National TechTop Innovation Challenge 2017, held at IIT Delhi.
- Achieved a 6 star Gold Level on HackerRank for algorithmic problems and a silver medal.
- Received Best Paper and Best Final Year Project Awards in 2019 from the Department of Computer Science at SFIT.
- Won 1st place at college competition for creating smart power bank that uses green energy.
- Technical and Creative Executive at the coding committee Codex – Organized and mentored coding competitions.