

SANKARA DINESH YARLAGADDA

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Education

Arizona State University

August 2021 – May 2023

Master of Science in Computer Science and Robotics, GPA: 3.9

Tempe, Arizona

Relevant Coursework: Software Engineering, Deep Neural Networks, Cloud Computing, Python for Engineering

Indian Institute of Technology Delhi

August 2015 – May 2019

Bachelor of Technology in Computer Science and Physics

Delhi, India

Relevant Coursework: Data Structures and Algorithms, Database Management, Artificial Intelligence

Experience

Wavity Inc

November 2023 – Present

Software Engineer | ReactJS, Java, Jenkins

San Francisco, California

- Developing a Microsoft Teams Command bot to handle ticket creation and tracking tasks directly from Teams Chat.
- Led the implementation of an OAuth app manager to facilitate secure data access through OAuth2 Credentials flow.
- Leveraging Java, PostgreSQL and ReactJS stack to develop a conversational UI feature for our agents.
- Streamlined software delivery with fully automated CI/CD pipelines using Jenkins, accelerating deployment.

Artifact Labs Inc

July 2023 – October 2023

Software Engineer | ReactJS, Go, Python, Kubernetes

San Francisco, California

- Developed a responsive web app using React, Go, and PostgreSQL driving the entire development lifecycle till launch.
- Implemented Twitter and Discord OAuth2 authorization flow to capture user data and personalize their experience.
- Deployed robust Kubernetes clusters on GCP, leveraging leader-follower architecture, ensuring high availability.
- Integrated diverse third-party SaaS services like Crossmint for NFT minting, Knock for sending mails and in-app notifications, and Stripe for secure credit card payments.

VMock Inc

July 2018 – July 2021

Software Developer | ReactJS, Redux, Python

Gurgaon, India

- Developed Network Feedback product using React, Laravel stack which is being used by over 80000 users.
- Developed an AI powered chatbot using python based Flask-SocketIO from scratch for customer support operations.
- Refactored landing page and 4 more products with WCAG-AA standards for ADA compliance Level-2 to make the website more accessible for people with disabilities.
- Optimized database queries across both relational (MySQL) and document (MongoDB) databases, achieving 30% faster data retrieval and reducing platform latency.
- Adopted version control systems like Git to manage source code and collaborate with other developers.

Projects

Bicep-Curl Counter | Python, PyTorch, OpenCV

January 2023

- Built bicep curl counter utilizing OpenPose 15 key-point 2D pose estimation and tracking NN model.
- Utilized first 10 layers of VGG-19 architecture to produce Part Affinities to predict limbs of person.
- Trained model over 25,000 images of MPII dataset with annotated body joints on CUDA GTX- 1060.

Classify Quora Question Duplicates | Python

August 2022

- Performed comparison on LSTM and LightGBM models with Word2Vec and Fasttext embeddings.
- Achieved an accuracy of 76% using LightGBM on Fasttext embedding compared to 63.08% of LSTM.

iSafe - Safety Application Platform — Software Engineering | Android Studio, Java

May 2019

- Created two Android Apps for Users and Police to provide end to end help to a person in an emergency.
- Used Google Firebase as remote, SQLite as local database and Distance Matrix API to look for nearest Users.

Technical Skills

Languages: Python, JavaScript, Java, C, C++, HTML/CSS, SQL, Go, TypeScript, Matlab, PHP, Ruby

Technologies/Frameworks: Express, ReactJS, Spring, Redis, NodeJS, Docker, Kubernetes, GCP, webRTC, Redux

Leadership / Extracurricular

Teaching Assistant, CSE120 (Aug'22 - May'23) - Grading homework, aiding students with problem sets.

Instruction Aide, CHM101 (Jan'22 - July'22) - Held office hours and helped professor to prepare slides.