

SAIKUNDAN SUDDAPALLI

Problem-Solver , Technologist & Researcher

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saikundan

Ironman20121



EXPERIENCE

Graduate Research Assistant

University of North Georgia

May 2024 – Nov 2024

Dahlonega, GA

- Conduct research on training large language models (LLMs) to identify physical and chemical properties of new chemical components.
- Collaborate with interdisciplinary teams to analyze data and improve model precision.
- Assist in teaching undergraduate courses on quantum computing and introductory computer science.

C++ & Python Developer

Tata Consultancy Services

Nov 2021 – Nov 2023

Hyderabad, India

- Spearheaded the optimization of the Enhanced Order Book Interface, resulting in a 25% increase in user base, adding over 1 million users, and significantly boosting market presence.
- Developed a high-performance, low-latency Info Feed for alpha clients, exceeding performance expectations, and enhancing client satisfaction and retention.
- Designed and implemented a robust CI/CD pipeline using Bash, Python, and Ansible, achieving a 40% reduction in deployment time and improving deployment reliability by 25%.
- Automated the extraction of monthly SLA reports with Python, reducing the report generation time by 30% and simplifying reporting processes for faster analysis and decision-making.

Full Stack ML engineer

River Bend Data Solution

Apr 2019 – Oct 2021

Hyderabad, India

- I develop ML analytics for wearable devices, enhancing a medical chat-bot and improving model accuracy by 10% with integrated ReactJS.

PUBLICATIONS & PROJECTS



"LLM vs DNNs"

Selected for ICAI Conference, 2024



"Comparative Analysis of Quantum Neural Networks on Imbalanced Data"

Master's Thesis, University of North Georgia, 2024



Malware Analysis

Including a study on the Anubis banking trojan



Thread Analysis

On Ubuntu Multipass



Various Projects

Video Deep Fake Detection using VITS, Medical X-ray Analysis using VITS CNN + RNN, and Differential Cluster Analysis on Mall Dataset (applicable to any dataset).

To know more about my projects and experience, please visit my GitHub repository and Linkdin.

LIFE PHILOSOPHY

Inspired by leaders like Neil deGrasse Tyson and Chanakya, I strive to make my life meaningful by expanding knowledge and fostering positive change.

MOST PROUD OF



TensorFlow Certified Developer

by Google



Completed Thesis

"A Comparative Analysis on Quantum Deep Learning for Imbalanced Data"



Developed Low-Latency Code

Enhanced Order Book Interface for trading platforms



2-Times 5 Star Rated Employee

Tata Consultancy Services in the BFSI vertical



Azure Administrator Associate (Exam 104)

by Microsoft

STRENGTHS

6+ years experience in Software Development

Persuasive

Multi threading C++ Dev

Reverse Engineering

Machine Learning

LANGUAGES & TOOLS

Python

C++

Java

TensorFlow/Pytorch

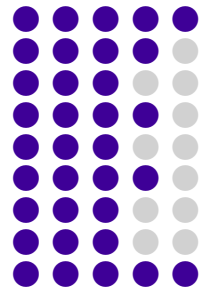
Ghidra/cutter

GDB /CMAKE

ReactJS

C#.Net

bash



EDUCATION

M.S. in Computer Science

University of North Georgia

Jan 2024 – Dec 2024

GPA : 4

B.E. in Computer Science

JNTU India

July 2017 – Aug 2021