

MANIKANTA KUSANAPALLI

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OBJECTIVE

Highly motivated and skilled C++ developer seeking to leverage expertise in low-latency programming, multi-threading memory management, debugging and relevant HFT knowledge to contribute to a fast-paced, results-driven trading environment.

SUMMARY

- **C++ Development:** Proficient in C++ 11/14/17, STL, design patterns, and performance optimization.
- **Multithreading:** Solid understanding of thread management, synchronization primitives, and lock-free programming for concurrent systems.
- **Low-Latency Optimization:** Understanding of techniques for minimizing latency, including memory management, cache optimization, and network communication.
- **HFT Concepts:** Knowledgeable in HFT strategies, market microstructure, exchange connectivity, and risk management principles.

EDUCATION

Masters in Computer Science

August 2022 - December 2023

Governors State University, Chicago, IL

GPA: 3.83

Relevant Courses: Advance Operating Systems | Advance Database | Planning Management | Big Data Analytics
Game Designing | Internet Programming | Scripting Languages |Java

Bachelor of Technology in Electrical and Electronics

September 2012 - May 2016

Jawaharlal Nehru Technological University, Hyderabad, India

GPA: 3.13

TECHNICAL SKILLS

- **Programming:** C++, Python
- **Libraries:** Standard Template Library (STL), Boost, Pandas, NumPy
- **Operating Systems:** Windows, Linux
- **Frameworks/Tools:** Linux Shell Scripting, Unity Game Engine
- **Finance:** Algorithmic trading, Equity, Futures, Options, Fixed income
- **Databases:** MS SQL, MySQL
- **Others:** Data Structures and Algorithms, Git, Networking protocols

PROFESSIONAL EXPERIENCE

GENPACT

Process Associate

Hyderabad, INDIA

September 2021 - June 2022

- Streamlined the grievance resolution process for multiple products within a confidential corporate environment.
- Interpersonal skills to manage grievances effectively, enhancing the overall workflow efficiency.
- Adopted strategic process to swiftly route valid concerns to the appropriate teams, paying attention to detail and contributing to responsive and customer-centric resolution within the company's unified grievance channel.

SYKES

Customer Service Representative

Hyderabad, INDIA

July 2019 - March 2021

- Provided comprehensive customer support for a leading international money transfer service.
- Specialized in resolving customer queries using problem solving skills pertaining to worldwide money transfers.
- Played a pivotal role in educating customers by communicating on the intricacies of international money transfers.

PROJECT

Deep Learning Insights into Covid-19 Data

May 2023 - August 2023

- The research was conducted within a Python-based Jupyter notebook environment, integrating TensorFlow with other data visualization tools to provide a comprehensive view of the COVID-19 pandemic's trajectory.
- This study leveraged the power of TensorFlow to undertake a retrospective analysis of the comprehensive data from the CSSEGIS and Data/COVID-19 repository.
- Drawing parallels from other post-pandemic analyses, our work seeks to elucidate patterns, trends, and anomalies in the infection rates over time.