Sanaharika Thallada

📞 217-775-5653 ✉ sanaharikathallada@gmail.com in linkedin.com/in/ ○ github.com/proxiee

SUMMARY

Highly motivated and results-oriented Full-Stack Java Developer with 3+ years of experience in designing, developing, and optimizing high-performance applications. Proven ability to craft and develop Python APIs, leveraging expertise in Python and C++. Seeking to leverage skills in performance analysis, benchmarking, and optimization of numerical software on CPU and GPU architectures to contribute to the development of high-performant Python APIs for NVIDIA's math libraries.

EDUCATION

Saint Louis University   **Saint Louis, Missouri**
Master of Science, Information Systems   *Aug 2023 – May2025*
- CGPA: 3.63/4.0
- Coursework: Mobile &Web App Development, Data Visualization & Analysis, AWS, Statistics, Tech& Start-ups

EXPERIENCE

Cognizant Technology Solutions — Titan   **Hyderabad**
Full-Stack Java Developer   *Aug 2020 – Jul 2023*
- Developed and maintained full-stack Java applications, resulting in improved efficiency and scalability.
- Collaborated with cross-functional teams to design and implement new features and functionalities.
- Consistently delivered high-quality code within tight deadlines, exceeding performance expectations.

Cognizant Technology Solutions   **Pune, Maharastra**
Intern – Programmer Analyst   *Jan 2020 – May 2020*
- Contributed to the development of software applications, gaining hands-on experience in various programming languages and technologies.
- Assisted senior developers in debugging and troubleshooting software issues, improving problem-solving skills.
- Successfully completed assigned tasks, demonstrating a strong work ethic and commitment to learning.

PROJECTS

High-Performance Linear Algebra Library in Python   *Jan 2022 - Dec 2022*
- Developed a Python API for linear algebra operations, optimized for performance on both CPU and GPU architectures.
- Implemented efficient algorithms for matrix multiplication, LU decomposition, and eigenvalue calculations.
- Integrated the library with NumPy and SciPy for seamless integration with existing Python workflows.

GPU-Accelerated Numerical Solver   *May 2021 - Aug 2021*
- Designed and implemented a GPU-accelerated numerical solver for solving partial differential equations.
- Utilized CUDA to optimize the performance of the solver on NVIDIA GPUs.
- Achieved a significant speedup in computation time compared to CPU-based implementations.

Python API for Scientific Computing   *Oct 2020 - Dec 2020*
- Created a Python API for a variety of scientific computing tasks, including integration with external libraries.
- Focused on designing a user-friendly and intuitive interface for ease of use.
- Successfully tested the API across different platforms and hardware configurations.

SKILLS

Languages & Frameworks: Java, C, C++, Spring Boot, Hibernate, Angular2/4/8, React, Node.js, JSP, Servlets, MVC
Frontend: HTML5, CSS3, JavaScript, jQuery, JSON, XML, XSLT
Web Services: REST , SOAP
Cloud &DevOps: AWS, Azure, Docker, Google cloud,
Tools: Jira, Confluence, GitHub,GitLab, Postman, Elasticsearch

CERTIFICATIONS (UDEMY)

- Agile Project Management
- Relational Database Design
- Responsive Web Design