GOPAL VAMSHI KRISHNA

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EDUCATION

M.TECH IN SOFTWARE ENGG
VIT UNIVERSITY, VELLORE
Cum. GPA: 9.21

HIGH SCHOOL
KAKATIYA COLLEGE, NIZAMABAD
Percentage: 95.1

SECONDARY SCHOOL
ST.FRANCIS DESALES HIGH SCHOOL, NIZAMABAD
Cum. GPA: 9.5

LINKS

github.com/Krishna0227

SKILLS

PROGRAMMING LANGUAGES
C • C++ •Python
•Basic Java •C#

THEORITICAL COMPUTER SCIENCE:
Algorithms and Data structures • Machine learning • Cloud computing • Statistical analysis • Performance Testing

TOOLS/FRAMEWORKS
Intel Vtune Amplifier • MySQL • Visual studio • Git • Tensor flow •Selenium • Eclipse • Pycharm

OPERATING SYSTEMS
Windows • Linux

NON TECHNICAL SKILLS
People • Networking • Presentation • Documentation

HOBBIES

Finding online deals
Playing cricket
Listening music

INTERESTS

Coding
Debugging
Solving puzzles

CAREER OBJECTIVE

To promote myself from a student to an accomplished professional by integrating all my skills and expose them for the development of the organization.

INTERNSHIP PROJECTS (Intel Corporation)

Bios Engineering

Conversant with Intel Architecture, Bios Components and boot flow. Built UEFI BIOS source code (EDK2 source and real platform source).Flash the generated image file and added small changes in the code. Experimented with ACPI to pass some hardware information from bios to OS. Developed an UEFI app for PCI enumeration.

Baidu Autonomous Driving

Workload characterization of autonomous driving Apollo stack, planning and localization modules. Measured Performance parameters like Latency , Memory Consumption, Hotspot analysis, Concurrency, Locks and waits, Core scaling and Frequency scaling. Tested Planning Module optimizations like Inline, Vectorization and Open MP.

MLX Bench

Benchmarking MlxBenchV0.84 and MlxBenchV0.85 workloads. Workloads include Computer Vision Deep learning training, Deep learning inference and Autonomous Drive planning. Measured Latency, Throughput and Accuracy of these workloads with different configurations include Batch size, Core scaling, Frequency scaling and floating point precision. Made a Comparison between SKX and NVidia GPU results.

ACADEMIC PROJECTS

INTELLIGENT TRAFFIC MONITORING SYSTEM

Developed an intelligent Monitoring system using Computer Vision and Deep Learning Algorithms which can be used to

(1) Track Moving Vehicles.
(2) Classify Vehicles.
(3) Predict Traffic

STUDENT INFORMATION SYSTEM

Developed an java application which can be used to

(1) Check student details
(2) Upload digital assignment

AWARDS

VIT Gravitas 2016 Hackathon runner up.

Best Athlete of the year 2017