MAILA SAI VENKATA NARASIMHA HRISHIKESH

Course : **B.E. (Hons.)**, Computer Science, 2023
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CGPA : 7.38

ACADEMIC DETAILS

COURSE	SPECIALIZATION	INSTITUTE/COLLEGE	BOARD/UNIVERSITY	SCORE	YEAR
CLASS XII	SCIENCE	Narayana IIT Academy	Telangana Board of Secondary Education (SSC)	9.62 MARKS	2019
CLASS X		Chinmaya Vidyalaya	CBSE	10 CGPA	2017

Subjects / Electives	Quantum Architecture and Programming, Cryptography, Computer Networks, Object Oreinted Programming, Data Science and Algorithms, Operating Systems, Database Management and Systems, Computer Architecture, Design and Analysis of Algorithms, Optimization, Introduction to Cognitive Neuroscience
Technical Proficiency	C++ Language, Python3, C Programming, OpenCL, Android Development, Linux server administration, Cryptography, Qiskit, Operating Systems, Optimization Techniques, PowerPoint, Excel, SQL, Java, Machine Learning

SUMMER INTERNSHIP / WORK EXPERIENCE

Software Intern, Samsung Semiconductor India Research   Aug 2022 - Dec 2022

The main task provided was to understand Machine Learning on mobile devices and how frameworks are built to deploy the same
The end goal was to build an Android Application which could perform the tasks required by the team for testing of custom ML frameworks

Skills Learnt:

- **Android Development**
- **Machine Learning.** The framework and the final application needed a basic understanding of Machine Learning
- **Build Systems**. Both the android app and the TensorFlow Lite used for inferencing needed to be built using specified Build Systems.
- **GPGPU Programming**. Accelerated Inferencing needed an understanding how the accelerators like GPU are used to speed up the inferencing process.

Software Intern, Amrita Tools and Crafts   Jun 2021 - Jul 2022

Worked in a team of 5 members to try and develop a optimized scheduling software to help schedule the various tasks in the manufacturing process in an efficient manner.

Skills Learnt:

- Python
- Optimization

PROJECTS

Android Application capable of running ML Models using TensorFlow Lite - Machine Learning, Android Development
                                                          Aug 2022 - Dec 2022

- Built an Android Application from scratch which can run Machine Learning Models completely on device.
- A small part of it was done by using Google Play Services which imported all the required SDKs for TensorFlow Lite
- The key feature of this application was accelerated inferencing with the help of delegates and on-device accelerators like GPU and NPU.

Paper on Supersingular Isogeny based DHKE - Cryptography, Quantum Computing   Feb 2022 - Apr 2022

A paper describing an example of Post-Quantum Cryptography and it's advantages over Classical Cryptography. Describes the working of an Isogeny based key exchange which can be used to prevent quantum attacks.

EXTRA CURRICULAR ACTIVITIES

Mime
Worked as a part of Mime Club BITS Goa to create on-stage mime performances and mime video skits.

Quark Controls
Helped in organising and managing events in Quark 2020 technical fest

LANGUAGES KNOWN

English, French, Telugu