

Ayush Sharma

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| [Github](#) | [LinkedIn](#) | [Codechef](#) | [LeetCode](#)

EDUCATION

VELLORE INSTITUTE OF TECHNOLOGY, Vellore | Bachelors Computer Science

GPA: 8.78

M.M PUBLIC SCHOOL, New Delhi | CBSE XII

Percentage: 85%

ST. PATRICK'S HIGHER SECONDARY SCHOOL | ICSE X

Percentage: 90%

EXPERIENCE

Hewlett Packard Enterprise, India | Summer Intern

Bangalore, India | April 2021 - Present

- Worked in a team of four to build a cloud native application communicating via gRPC.
- Ran the application on Kubernetes cluster and exposed the node and POD specific metrics to Prometheus as a monitoring solution as well as used the Prometheus Alert Manager Framework to generate alerts on metrics reaching the threshold.
- Setup Graphana Stack to display and analyze the metrics collected.

Samsung R&D Institute, India | Research Intern

Bangalore, India | Oct 2021 - April 2021

- Working under Ms. Shankarappa to design and develop a library in C++, which supports variety of communication protocols for client server communication in mesh environment which can also support generic data transfer using simple api.

INDIAN INSTITUTE OF TECHNOLOGY | Research Intern

Kanpur, India | Mar 2020 - Jun 2020

- Worked under Prof. L. Behera and lead a team of 4 people for a period of 90 days. Presented a research paper on the comparative analysis on efficiencies of variants of convolutional neural networks based on Image classification on the ImageNet Dataset.

SKILLS

Programming Languages:

C++, Python, Java, SQL, HTML, CSS, Javascript

Libraries/Frameworks:

Scikit-Learn, Tensorflow, Pytorch, Keras

Tools/ Platforms:

Amazon Web Services, Github, Jupyter Notebook, MATLAB

Coursework:

Data Structure and Algorithms, Database Management System, Operating System, Computer Architecture, Networks, Software Engineering, InfoSec.

PROJECTS / OPEN-SOURCE

TECHNICAL REVIEW TOOL [\[Source Code\]](#)

Created a web application that facilitates the software development teams to record and track the technical reviews conducted during software development.

Technologies Used: HTML, CSS, JAVASCRIPT, BOOTSTRAP, NODE.js, EXPRESS.js, REDIS, MONGODB

MULTITHREADED DOWNLOAD MANAGER [\[Source Code\]](#)

Created a download manager to improve the download speed with the help of more core processors using multithreading.

Technologies Used: JAVA

VIEWSONVACCINE [\[Source Code\]](#)

Created real time application for tweet categorization based on the views of people on Covid Vaccines along with Map Visualization.

Technologies Used: Python, React, Express, AWS Comprehend

SMARTAGRI [\[Source Code\]](#)

Created an android application for an IoT System that gives precise text suggestions on soil moisture level, temperature and humidity levels of agricultural lands for the farmers, hence promoting remote agriculture management.

Technologies Used: Arduino, HTML, CSS, JAVASCRIPT, PHP, MySQL

HONORS & AWARDS

- Core Committee Member of VIT LEO CLUB (NGO) between September 2020 to September 2021
- Ideathon 2019 Finalist at VIT
- Global Rank 1302 in February Challenge 2021 on Codechef
- AWS Cloud Practitioner
- Google Cloud Certified Professional Cloud Architect