Vishesh Choudhary

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Education

2020 to Present	**Integrated MTech. (5 Year) Mathematics And Computer Science** CGPA 9.03/10.0	Vellore Institute of Technology
2019 to 2020	**Bachelor of Applied Science (Hons.) Mathematics And Computer Science** Percentage 93.1/100	Institute For Excellence for Higher Education
2007to 2019	**High School Diploma Physics, Chemistry, Mathematics And Informatics Practices** CBSE XII 81 Percentage CBSE X 9.0/10.0 CGPA JEE Mains 97.467 Percentile JEE Advanced 23K Rank	Sagar Public School

Experience

2020 to Present — **Casual Academic** — Vellore Institute of Technology

- Core Committee Member Google Developer Student Clubs VIT from *December 2020 to September 2021*
- Research Committee Member Association For Computing Machinery VIT from *December 2020 to August 2021*
- The Table below lists the courses I have Studied.

Course code	Course Name
CSI2003	Advanced Algorithms
CSI3020	Advanced Graph Algorithms
CSI3002	Applied Cryptography and Network Security
CSI3005	Advanced Data Visulization Techniques
CSI3025	Application Development and Deployment Architecture
CSE4031	Game Theory
CSI3003	Artificial Intelligence and Expert Systems
CSI3005	Advanced Data Visulization Techniques

Skills

Tools: Linux, Git, Android studio, Make, Cmake, Docker, Kubernetes
Languages: Python, R, Java, LaTeX, Shell, C, C++, Rust, GO, Clojure, Vue.js, WebAssembly, Yew
Certification: Listed Below
Building Distributed Applications In GO
Scala Type Classes And Parameterization
Concurrent Programming With GO
Advanced Linear Models for Data Science 2: Statistical Linear Models
Advanced Linear Models for Data Science 1: Least Squares
Advanced C Programming Integrating C and Assembly Language
Bayesian Methods for Machine Learning
Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization
Image Understanding With TensorFlow on GCP
Sequence Models for Time Series and Natural Language Processing on Google Cloud
Recommendationg Systems With TensoFlow on GCP
DeepLearning.AI TensorFlow Developer
Rust Essential Training
Rust Fundamentals

Projects

- Electric Funeral - A Combination of Software Defined Network (SDN) And A Multi-Layer Perceptron (MLP) Neural Network That Results In The Mitigation of DDoS Attacks. *May 2021 to September 2021*
- Xen - Personal/Portfolio, Website Built With Rust, Rocket, Docker, Javascript (Technically No-Javascript), Tailwind CSS And LaTeX. CMS for Serving My Website and Personal Blogs. *August 2021 to September 2021*
- Neural Network Art - A Neural Network That Generates Pieces of Art/Pictures Using Clojure. *August 2021 to September 2021*
- Evangelion - Decentralized Chat Application Built With Node.js, Aleph.im, Docker, Tailwind CSS, Yew (Rust Frontend Framework). *September 2021 to October 2021*
- Audio Arca - An Experimental Audio and Text Chat Client-Server Application Written in Golang For Arca/Evangelion As An Sub-Modularity-Function which Focuses on Library PortAudio(I/O)-Architecture Testing. *September 2021 to September 2021*
- Vostok - Vostok is a Rust-Based HTTP Transformation Layer To Seamlessly Convert REST Calls Into GraphQL Calls For Piecemeal API Migrations. *July 2021 to September 2021*
- Neo - Neo is a Single File Server. It Responds to Every GET Request it Receives with the Content of a Given File (Specified by ENV or CLI Argument), and for Every Other Request (with any other HTTP Method or Path) it returns a 404. Written in GoLang And Rust Separately. *September 2021 to September 2021*
- dbench - Benchmark Kubernetes Persistent Disk Volumes With FIO: Read/write IOPS, Bandwidth MB/s and Latency. Dockerized ‘dbench‘ Image Inspired by leeliu/dbench. Improvements over other ‘dbench‘ FIO - IOENGINE - Being Able to Set The ‘ioengine‘ Can Prevent Weird Situations Where Direct Looks Faster than Buffered Writes. *September 2021 to September 2021*

Interests

- Japanese And Origami Crafting *July 2021 to Present*