

SHASHWATESH TRIPATHI

Computer Science Engineer

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Objective

To excel in my field through hard work, perseverance, skills, research and to serve my parents and nation with the best of my abilities.

Education

Bachelor's of Engineering and Technology – Thapar Institute of Engineering and Technology, Patiala – (2019 – 2023) – 9.40 CGPA -6th sem.

Senior Secondary – C.B.S.E – Delhi Public School, Siliguri – (2018) – 91.2%.

Secondary – C.B.S.E – Delhi Public School, Siliguri – (2016) – 9.2 CGPA.

Technical Skills

- **Languages:** C, C++, Python (basics and data analysis using Pandas, Numpy, OpenCV, GPU computing, Web dev using Django, TensorFlow, NGC (Nvidia GPU cloud), ML, Swift, Dart.JS.
- **Skills:** Problem solving, Data structures and algorithms, Unity, Multi-Threading and Multi-Processing, Software Development, ML, AI cloud computing, dockers and containers, Kubernetes, Tensor RT, Triton Server, Network Programming (TCP/UDP), Flutter, NodeJS.
- **Integration:** Using SQL with python.
- **Micro-Computers:** Jetson NANO, Raspberry pi.
- **Operating systems:** windows 10/11, Linux, Mac OS.
- **Kernels:** Bash, ZSH.
- **Database:** SQL, SQLite, Firebase, MongoDB.

Experience

Software Developer Engineer at Hewlett Packard Enterprise
(Summer Intern) (June – August 2022).

It was an onsite internship and had to report to ORGI (**Office of the Registrar General of India**), The project was to automate the inventory of VMs (Virtual Machine) and the process of assignment of VMs. I along with my team played a crucial part in the successful deployment of this project onto their servers.

Code For Good (2022) – Finalists (JP Morgan Chase & Co.)

Date – 11/06/2022 – 12/06/2022.

Task – To create a tech-based solution for an NGO in 24 hours.

My team had to create a solution for an NGO named Connecting Dreams, we created a web app which automated the process of conducting various hackathons and assigning mentors to the finalist teams, we also created a flutter-based chat application so that the finalist teams could securely contact their mentors through the web app and also through their mobile phones on the GO.

Personal Project

- **Mansik Meter (2022):** Lead a team of 3+ individuals into developing a hardware and software solution for day-to-day involuntary mental analysis and predicting the onset of mental illness using ML and AI on Jetson Nano.
- **Automated Attendance System:** Lead a team of 3+ to create a software solution for automated attendance of employees/students using Face ID through the users own phone. Git : https://github.com/tripathijiii/Smartattendance_using_faceID
- **Keyword Based Photo/Video Downloader:** Created a web based image and video downloader, that would download the given number of images/ videos based on a given keyword. GIT: <https://github.com/tripathijiii/image-downloader-web>
- **Multi-Processing based Extract Transform and load from database:** Created a Process of Extraction Transformation and Loading from a db to another via python that would drastically escalate speed. GIT: https://github.com/tripathijiii/ETL_DB_Multiprocessing

Position of responsibility

- Regular member of Function and Fest Organization at every organization related to me
- House Captain, 2017.