

Harshit Gupta

 curiousHG |  Harshit Gupta |  harshit.gupta.iitd23@gmail.com |  +917982743323

WORK EXPERIENCE

Senior Analyst @ Deutsche Bank

Jul 2023 - Present

- Developing reusable CI/CD pipelines in GithubActions for SDLC tasks for **50+** applications across the bank
- Contributed to the banks drive to transform **150+** teams from the on-prem to cloud infrastructure
- Deployed containerised **SpringBoot** and **Angular** applications in GKE using gcloud, kubectl and helm
- Build cloud infrastructure like GKE, CloudFunctions, CloudRun, SQL(Postgres) using **terraform** in GCP

Software Developer Intern @ Arqanum Technologies

Jan 2023 - Jul 2023

- Engineered a Full Stack App for the customer interface leveraging the MERN Stack for seamless user experience
- Collaborated directly with the founder to conceptualize blockchain frameworks, innovating a cutting-edge tokenomics model in the cryptocurrency space, aiming at **95%** efficiency and scalability of the UPI system

Data Analyst Intern @ TATA AIG

Jun 2022 - Aug 2022

- Analysed data of **4 lakh+** customers in Health Insurance Claims for FYs 2019-20 & 2020-21 using EDA
- Applied Feature Engineering, Target Encoding and Quantile Bucketing to the data and fitted **XGBoost**
- Achieved accuracy of **98%** (training) and **96%** (testing) by rigorous hyper-parameter optimisation

EDUCATION

2019 - 23 BTech, Production and Industrial Engineering at **IIT, Delhi**

(CGPA: 8.65/10)

SCHOLASTIC ACHIEVEMENTS

IITD Merit List Conferred Scholarship for ranking among Top 7% students in college 2022

Geoffrey Hinton Fellowship Hackathon (By UNIV.AI) Secured a global rank of 199 2021

JEE, Advanced Secured a rank of **2698** (GE) among 2.5 lakh eligible candidates 2019

JEE, Main Secured a percentile score of **99.83** among 12 lakh eligible candidates 2019

PUBLICATIONS

Garg S, Gupta H, and Chakraborty S, "Assessment of DeepONet for time dependent reliability analysis of dynamical systems subjected to stochastic loading" (2022) 270 Engineering Structures 114811 (<https://www.sciencedirect.com/science/article/pii/S0141029622008951>).

PROJECTS

Virtual Try-On (Prof. Varun Ramamohan)

Cluster HR-VITON

- Collaborated with Australian Startup **Okkular.io** for fashion image generation using GAN Model
- Employed pose estimation **Densepose** and human parse model **CHIP-PGN** for data pre-processing
- Applied Agglomerative clustering and fine-tuned weights for each cluster to enhance LPIPS score
- Trained model on IITD High Performace Computing Cluster using **PBS Job Scheduler**

E-Commerce Ordering Website (Self-Project)

19onlineshop.com | 

- Developed an **e-commerce** store using a **Django** backend & **React.js** UI, with **PostgreSQL** Database
- Implemented **Inventory management system**, along with **order tracking**, and hosted via **Railways.app**
- Integrated **Google Analytics** to monitor traffic, with an average of **100+** **active users** every month.

SKILLS

GithubActions, CI/CD, SpringBoot, Kubernetes
C++, Python, TypeScript, Java
GCP, Terraform, Docker, Git, kubectl
PyTorch, TensorFlow, sklearn, Keras
React.js, Node.js, Django, Express.js

OTHER ACHIEVEMENTS

Google Cloud Associate Cloud Engineer(ACE) Certified
Open Source Contributor @unify.ai/IVY
Teaching Assistant@IITD: Assisted in COL100 course
Volleyball: Secured 4th position in Freshers GC at IIT Delhi
Represented Delhi in National Roller Hockey twice