

SKILLS AND INTERESTS**CORE SKILLS:** DATA STRUCTURES, ALGORITHMS, DBMS, SYSTEM DESIGN, MICROSERVICES, MACHINE LEARNING, GOLANG, REACT**TECHNICAL SKILLS:** C/C++, PYTHON, AWS, GOLANG, MYSQL, NUMPY, PANDAS, POSTGRESQL, MONGODB, JENKINS, HTML, CSS, JAVASCRIPT, GIT, DOCKER, KUBERNETES, LINUX, REACT, NODEJS

WORK EXPERIENCE

02/2023-Present

[PayPal](#)**Senior Software Engineer**

- Designed and built internal tools using Python, Golang and React to automate adjusting the network traffic handled by CDN devices. Developed new features using Golang which exposes different REST endpoints.

04/2022-02/2023

[NetraDyne](#)**Software Engineer**

- Designed and developed an application to transfer 60TB data from AWS to Snowflake and also to transfer data in realtime while taking less time. This has helped the organization in reducing its cost by 25000\$.
- Worked in the cost visibility team. Developed the pipeline to generate the complete automated cost report of the whole organization which is being used by top executives of my org.
- Worked on various database optimisation projects having various utility and use cases.

07/2021- 03/2022

[CloudPhysician](#)**Backend Developer**

- Developed an end to end test framework API to create millions of patients.
- Developed end to end application to process large medicine dataset. Also dockerised the whole application.

07/2018-06/2021

Freelance Developer**Software Engineer**

- Developed Analytics APIs for real time aviation data such that it can process 40GB/hour of data with high precision.
- Developed Excel upload/download API in an existing open source annotation django project.
- Develop the system to create Video Json which takes a Script vector as input and automatically generates Video Json of all the characters & its location of every scene such that it can be used in automation of developing animation.

09/2019-07/2020

[Scaler Academy](#)**Backend Developer Trainee**

A Professional Bootcamp to teach the best software engineering practices.

- Design Patterns, Problem solving, Advanced Data Structures and Algorithms. (solved **500** questions)
 - **RANKED IN THE TOP 2% IN SCALER ACADEMY** (among **15,000** applicants)
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ENGINEERING PROJECTS

March, 2020

[Amazon Food Product Reviews Analysis](#)

- A sentiment classification problem, performed EDA to find the most valuable product and least rated product.
- Applied various NLP techniques:-Bag Of Words and TF-IDF.
- After BOW and TF-IDF to text data, performed sentimental analysis using various ML techniques.
- Logistic regression with Bag of words achieved f1-score 93%.

May, 2018

[DRIVING FAST THROUGH DEEP TRAFFIC](#)**UNDERGRADUATE PROJECT** (advised by Dr. Baijnath Kaushik)

A project to maximize the learning of a self driving agent to drive safely in a simulated environment.

- Worked on Reinforcement Learning Algorithms e.g. Deep Q-Learning algorithm.
 - Achieved an accuracy of 93% after 1000 runs
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ACHIEVEMENTS

2020

[Secured a Global Rank of 521 out of 15396 in CodeChef's March Cook-Off Challenge](#)

2017

[Secured Gold Medal in Open State Inter University Chess Championship 2017-18](#)

2016

[Secured a Global Rank of 126 out of 1967 in 101 HackJune 2016 conducted by Hackerrank](#)

2014

[RANKED IN THE TOP 1% IN JOINT ENTRANCE EXAMINATION -ADVANCED\(among 14,00,000 applicants\)](#)

EDUCATION

2014-2018

SHRI MATA VAISHNO DEVI UNIVERSITY

Katra, Jammu & Kashmir, India

Bachelor of Engineering in Computer Science

Data Structures, Algorithms, Operating Systems, Databases, Theory of Computation, Image Processing