

PROFESSIONAL SUMMARY

Cloud, Data & Tech Specialist with expertise in Python, cloud computing, databases, machine learning, and embedded systems. An analytical professional adept at designing and implementing innovative solutions like recommendation engines, fraud detection models, and hardware integrations.

PROFESSIONAL SKILLS AND INTEREST

- Python Data Analysis
- Cloud Computing
- Big Data Technologies
- SQL & Database Management
- Machine Learning Modeling
- Web Development

EDUCATION

Master of Technology (Computer Science & Engineering) 2022-2024. GGSIPU (New Delhi)

Bachelor of Technology (Electrical Engineering) 2019-2022. GGSIPU (New Delhi)

Diploma (Computer Engineering) 2016-2018. SBIET(Rohtak)

PROFESSIONAL SKILLS DEMONSTRATED

IP University

2022– 2024

IP University is a leading academic institution providing quality education and research opportunities across various disciplines.

Student

Implemented and evaluated load balancing algorithms to optimize server traffic distribution, showcasing networking, programming, and performance evaluation skills.

- **Cloud Computing:** Investigated load balancing principles and server communication protocols for optimizing traffic distribution across cloud servers.
- **Machine Learning Modeling:** Designed and executed tests to evaluate performance of load balancing algorithms under varying traffic conditions, analyzing metrics like response time, throughput, and server utilization.
- **Python Data Analysis:** Developed a program in Python to simulate a network environment with multiple servers and clients, implementing load balancing algorithms.
- **SQL & Database Management:** Utilized databases to store and analyze performance data collected during algorithm evaluation.
- **Web Development:** Developed a simple web interface (optional) for demonstrating the load balancing algorithm implementation.

RELEVANT PROJECTS

Data Science & Machine Learning: Developed movie recommendation system leveraging collaborative filtering to suggest films based on user preferences and viewing history. Scraped data, performed EDA, built/evaluated model. (2022)

Natural Language Processing & Machine Learning: Built model to classify news articles as real or fake based on text. Performed data preprocessing, feature engineering, model training/evaluation. (2023)

Cloud Computing: Evaluated & implemented load balancing algorithms to optimize cloud server traffic distribution. (2023-2014)

Embedded Systems Development: Implemented speed control system for electric car using Arduino UNO and RF module. Demonstrated coding and hardware integration skills. (06 Jan 2022 - 13 Apr 2023)

Cloud Infrastructure Engineering (Remote): Cloud Infrastructure Engineer for Personal Websites (May 2023 - Current)

Programming Proficiency(Remote): Built responsive websites ([Aniruddhacharya Ji](#) & [Aryan Cabs](#)) from scratch using HTML, CSS & Javascript and make backend for input data. (May 2023 - Current)

STUDENT LIFE AND VOLUNTEERISM

Academic Tutoring Initiative (2020 - 2023): Bridged educational equity gap by delivering individualized instruction to students facing digital divide during COVID-19 pandemic. Fostered positive learning environment, promoting academic success.

OTHER RELEVANT INFORMATION

Additional Languages: English(Professional), Hindi(Native)

Technical Skills: Cloud Platforms(AWS/Azure/GCP) Python (ML, Data Science), Arduino, Cloud (Traffic Optimization), Databases (SQL), Web Dev (Basic),

Awards: Dean's List Award—GGSIPU (2023)

Departmental Award—GGSIPU (2023)

[My LinkedIn](#)