

CAREER OBJECTIVE

Pre-final year B.Tech student in **Computer Science Engineering (Data Science)** with hands-on experience in **Machine Learning, Data Analytics, and AI-powered application development**. Passionate about building intelligent systems at the intersection of **data science and network technologies**. Seeking to contribute **ML and analytical skills** to a cutting-edge, connectivity-focused organization.

EDUCATION

Dayananda Sagar University
B.Tech – Computer Science Engineering (Data Science) | CGPA: 8.74

Bangalore, India
2023 – 2027

TECHNICAL SKILLS

Programming Languages: Python, Java, C

Machine Learning: Scikit-learn, Regression, Classification, Feature Engineering, Predictive Modeling, Data Preprocessing

Data Analysis & Visualization: Pandas, NumPy, Matplotlib, Seaborn, Power BI, Tableau, Microsoft Excel, Exploratory Data Analysis

Web & Backend Development: Next.js, FastAPI, Flask, REST APIs, HTML, CSS, JavaScript, Tailwind CSS

Databases: MySQL, MongoDB, PostgreSQL, SQL Queries

Networking & OS: TCP/IP, Network Fundamentals, Linux, Computer Networks

Cloud & DevOps: Microsoft Azure, Amazon Web Services (AWS), Docker, Git, GitHub

PROJECTS

Power Consumption Demand Forecasting

Python | Pandas | Scikit-learn | Matplotlib | Time-Series Analysis | Jupyter

- Preprocessed historical electricity usage data including weather conditions and time-based patterns; performed exploratory data analysis (EDA) to identify consumption trends and seasonal signals.
- Built and evaluated ML regression models for future power demand forecasting, directly applicable to network traffic load prediction and capacity planning.
- Generated actionable demand forecasts and visualized consumption patterns to support infrastructure decision-making.

PharmaDemandSensing – Medicine Demand Forecasting

Python | Flask | Next.js | TypeScript | Scikit-learn | REST APIs

- Built a full-stack medicine demand forecasting platform with a Next.js frontend and Flask backend API, integrating an end-to-end ML model into a production-ready dashboard.
- Analyzed historical sales data, seasonal trends, and market factors using ML models to predict future pharmaceutical demand, with methods transferable to network resource demand forecasting.

BlogEngine – MLOps Content Classification

Python | Scikit-learn | FastAPI | MLOps | REST APIs

- Built a production-ready text classification model categorizing articles into World, Sports, Business, and Sci/Tech domains using a LightGBM-backed FastAPI inference service.
- Implemented end-to-end MLOps practices including version control, automated testing, and continuous deployment for a scalable inference service.

AWARDS & RECOGNITIONS

Global Nominee – NASA Space Apps Challenge 2025: Top selection among 57,000+ participants across 150+ countries.

Art & Technology Award – NASA Space Apps Challenge 2024: Local Winner for creative design and technical innovation.

3rd Prize – Hackverse Hackathon, DSU 2025: Cash award among 50+ competing teams.

Selected Participant – Smart India Hackathon 2025: Shortlisted through university-level screening.

CERTIFICATIONS

Microsoft Azure Data Fundamentals (DP-900): Microsoft Certified

Python (Basic & Intermediate) & SQL: HackerRank

Oracle Data Analysis Certification: Oracle

Data Analytics Job Simulation: Forage