MUKESH PATEL SCHOOL OF TECHNOLOGY MANAGEMENT & ENGINEERING
SVKM's NMIMS Deemed to be UNIVERSITY

YASH HALDAR
BTech Computer Science Engineering (Data Science)
2022-2026
10/12/2004

Education

MPSTME, NMIMS University	**2022 - 2026**

B. Tech in Computer Science Engineering and Data Science
CGPA: 3.35

Billabong High International School	**2020 - 2022**

ISC: 63.80

Billabong High International School	**2020**

ICSE: 79.84

Projects

Interactive Shortest Path Finder (Jan – Apr 2024)
- Built a browser-based shortest path finder using **Dijkstra's algorithm** on **OpenStreetMap** data.
- Used **Python, NumPy, xmltodict,** and **Folium** to parse XML, build connectivity graphs, and create interactive route maps that were rendered and viewed through a **web browser**.
- Optimized node mapping to reduce computation time by ~40%.
- Strengthened skills in **graph theory**, **algorithm design**, and **geospatial data processing**.

Black Friday Sales Analysis (July – Oct 2024)
- Cleaned and engineered features from Black Friday sales data using **Python**, **Pandas**, and **NumPy**.
- Conducted EDA with **Matplotlib** and **Seaborn** to reveal customer and purchase trends.
- Built and optimized an **XGBoost** model predicting sales with an RMSE of **2535**, placing in the top 10% (rank 636) on Analytics Vidhya leaderboard.
- Enhanced model accuracy through feature engineering and hyperparameter tuning.
- Developed skills in **data preprocessing**, **feature engineering**, **machine learning modeling**, **model evaluation**, and **data visualization**.

Loan Approval Decision Model (July – Nov 2023)
- Developed a loan approval model with **80% accuracy** using **Python** and **business statistics**.
- Created interactive **dashboards using SAS** Visual Analytics to highlight key approval patterns.
- Applied statistical decision trees on 5+ applicant attributes to assess eligibility.
- Gained insights despite limited dataset size; showcased **data-driven decision-making**.
- Developed skills in **statistical modeling**, **data visualization**, **decision algorithms**, and **financial analytics.**

SSH Brute-Force Attack Simulation on macOS Using Hydra (Jan - Mar 2025)
Movie Recommendation System (July - Oct 2024)
Data-Driven Competitor Analysis of Sahakari Bhandar for Strategic Market Insights (July - Oct 2024)
Organizational Analysis of Allen Career Institute Using Management Principles (July - Oct 2024)
Market and Feasibility Analysis for Ayurvedic Skincare Expansion into the Netherlands (Jan - Oct 2024)

Internships

Integreon Managed Solutions (India) Pvt. Ltd. — *Junior Developer Intern*
May 2024 – July 2024 (2 months)
- Created **dynamic visualizations** and **reports** using **Python** and **Excel** to support faster decision-making. Developed a **beta chatbot** using **Python** and **Flask**, with **web scraping** to build an internal knowledge base from scratch, delivering a fully functional prototype in just **5 weeks**. Consistently praised for dependability, quick learning, and proactive problem-solving in a cross-functional team.

Certifications & Publications

Problem Solving Certificate – *HackerRank (2025)*
Python Fundamentals – Crash Course – *Campus Credentials (2025)*
Master Python Programming by Solving Scientific Projects – *Udemy (2024)*

CORE SKILLS

Technical Skills: Python (incl. basic libraries), SAS Visual Analytics, Flask, SQL (basic), Hydra (security tool), Machine Learning Models, Data Visualization Libraries, Statistical Modeling, Web Scraping, R-programming, C++, Data Structures, Java Basics.

Soft Skills: Problem-Solving, Analytical Thinking, Team Collaboration, Rapid Prototyping, Adaptability, Research & Insight Generation, Presentation & Communication, Leadership Potential, Attention to Detail.

Achievements and Positions of Responsibility

- Corporate Relations Executive — Analytika, Data Science Committee (5 months)