

Yashaswi Singh

(857) 424-6968 • singh.ya@northeastern.edu • www.linkedin.com/in/yashaswi-singh1 • Boston, MA

SUMMARY

A solution-driven data analyst with experience in working with cross-functional teams and building machine learning pipelines in finance and media industries. Master's degree candidate in Information Systems from Northeastern University. Interested in managing cross-functional teams and building scalable solutions.

EDUCATION

Northeastern University, Boston, MA

May 2021

Degree: Master of Science in Information Systems

Achievement & Awards: 2nd position in Husky Competitive Programming Club (HCPC) summer Hackathon 2020

Lovely Professional University, Punjab, India

2015

Degree: Bachelor of Engineering in Computer Science

WORK EXPERIENCE

Amundi Pioneer Asset Management, Boston, MA

Sep 2020 – Dec 2020

Research Analyst Intern

- Developed recommendations for senior managers regarding investment opportunities worth \$100,000/year
- Maintained 50+ checklists for tracking reviews by third party and independent investment manager searches
- Built forecasting tools to optimize revenue variance by 40% using Python
- Managed \$20k budgets for day-to-day operations and participated in strategic initiatives
- Organized weekly meetings with product managers, senior client portfolio managers and research analysts to identify potential opportunities

Times Internet, New Delhi, India

Jan 2016 – Dec 2018

Senior Data Analyst

- Led a product ideation team to launch The Viral Shots, a news
- Increased the profitability by 5% resolving performance bottlenecks and providing recommendations to improve the reporting model and system design
- Partnered with 3 cross-functional teams: UI/UX, product testing and marketing to drive product discovery, development, and delivery of new mobile applications
- Established 15 group KPIs identifying persona, anti-persona, customer pain points and jobs to be done
- Designed a product requirement document (PRD) to communicate and align key components of upcoming features for 3 internal teams
- Performed A/B tests to optimize usability and stylistic elements for 20+ pages of mobile applications
- Built a customer attrition random forest model that improved monthly retention by 10 basis points

ACADEMIC PROJECTS

The Book Hub - Web App (Python, Flask, Plotly, Gunicorn, Celery, Redis, Heroku)

Jan 2021 – Feb 2021

- Developed a book search and recommendations using Flask on 3 million Goodreads book datasets
- Implemented Singular Value Decomposition and TF-IDF Vectorizer using filtering model to recommend similar books
- Applied Cosine Similarity Search & Spotify Annoy to search books using titles, authors, year of publication and genres

Cdiscount's Image Classification - Web App (Python, Streamlit, Heroku)

Nov 2020 – Dec 2020

- Enhanced visual search algorithms, cosine similarity search, FAISS, Spotify Annoy using Elastic for similarity search
- Created a Spotify-Annoy for Bulk lookup by generating a json with k-similar images for each image
- Built a reference app using Streamlit. Used Cosine Similarity Search and FAISS for single lookup

TECH SKILLS

Programming:	Python (NumPy, SciPy, Pandas, Matplotlib, Scikit-learn, Seaborn), Java, R, C#, HTML5, CSS
Data Engineering:	ETL, Data Extraction, Manipulation, SQL Server, MySQL, MongoDB, PostgreSQL, SparkSQL
Cloud Technologies:	AWS, Google Cloud Platform, Snowflake, Docker, Microsoft Azure, Databricks
Machine Learning:	Keras, TensorFlow, PySpark, PyTorch, OpenCV, XGBoost, DataRobot
Visualization:	Tableau, PowerBI, SharePoint, Salesforce Einstein Analytics, Plotly, Dash, Apache Superset
Other Tools:	JIRA, Confluence, Agile/Hybrid Methodology, SDLC, Test Link, ReactJS, Flask, Streamlit, FastAPI