Aastha Kumar

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PROFILE SUMMARY

Data Science student skilled in **data analysis**, **machine learning**, and **data visualization**, with experience in software development and web scraping. Familiar with cloud computing concepts and agile workflows, eager to build scalable data solutions for business impact.

EDUCATION

NIIT University - Aug 2022 – Present
Integrated M.Sc. Computer Science | **Specialization:** Data Science | **Minor:** Business Analytics
Positions Held: Teaching Assistant, Sponsorship Director - Hult Prize NIIT
Achievements: Presented research at ICNCDA-2025: 'The Psychology of Fonts: How Typeface Influences Perception and Cognition'

SKILLS

Programming Languages: Python, SQL, R
Frameworks & Libraries: Pandas, NumPy, Scikit-learn, Streamlit, Plotly, Prophet
Databases: MongoDB, MySQL
Data Visualization & BI Tools: Power BI, Tableau, Excel
DevOps & Version Control: Docker, GitHub

EXPERIENCE

React Full-Stack Intern - Overhyped AI Marketing Pvt. Ltd. (Remote) | Jul 2025 - Aug 2025
- Developed and optimized front-end features using **React** and **Next.js** for an AI-powered e-commerce platform.
- Implemented **state management** with **Zustand** for scalable UI, worked in a **MonoRepo architecture**, integrated multiple applications and services and built Flask-based real-time servers using SSE for live updates.
- Collaborated with engineering team in agile environment on architecture and integrations.

Data Scientist Intern - Evoastra Ventures (Remote) | Jul 2025 - Aug 2025
Worked on collaborative, real-life projects, including:
- **Web Scraping & Data Analysis**: Scraped automotive listings using **Selenium** and static scraping methods; conducted EDA on car datasets.
- **Deep Learning Image Captioning:** Implemented **InceptionV3** for feature extraction and **LSTM** for caption generation; optimized with Adam optimizer and evaluated using BLEU score
- Presented analytical findings to stakeholders and documented project workflows.

PROJECTS

SOCIAL CUBES: Crisis Detection Dashboard
- Built a real-time sentiment monitoring tool for Reddit and Twitter to detect emerging crises.
- **Tech stack:** Streamlit, Python, TextBlob, Reddit API, Twitter API, Vadar Sentiment Analysis
- Learned social media data collection, sentiment analysis, and dynamic dashboard creation.

RISKOS: Portfolio Risk Analysis App
- Developed a full-stack dashboard for VaR and CVaR analysis of **NIFTY50/Sensex portfolios**.
- **Tech stack:** Flask, React, Yahoo Finance API
- Learned financial risk modelling, API integration, and interactive chart implementation.

Supply Chain Forecasting
- Created a time-series forecasting system for inventory demand in supply chain operations.
- **Tech stack:** Prophet, Power BI, Excel
- Learned time-series forecasting, data visualization, and Power BI dashboard design.

CERTIFICATION

- IBM Data Analyst Professional Certificate – IBM / Coursera *(Aug 2025)*