

Aastha Kumar

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PROFILE SUMMARY

I am a data science student with experience in **data analysis, visualization, and dashboard creation**. I have worked on real-time data processing and web scraping to generate actionable insights, and I aim to build a career as a **data analyst** creating impactful business solutions.

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: Streamlit, Plotly, VADER, TextBlob, 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**, and integrated multiple applications and services. built Flask-based real-time servers using SSE for live updates.
- Collaborated with core engineering team on product architecture, integrations, and technical best practices.

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, Vader 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 — Prophet, Power BI, Excel

- 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.
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