

Aditya Sharma

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EDUCATION

- **Carnegie Mellon University** Aug. 2020 – June 2024
Bachelor of Science in Statistics and Machine Learning Pittsburgh, PA
 - **Relevant Coursework:** Natural Language Processing, Algorithms and Advanced Data Structures, Advanced Methods for Data Analysis, Artificial Intelligence: Representation and Problem Solving, Statistical Methods in Finance, Machine Learning, Designing Human Centered Software

EXPERIENCE

- **AI Solutions Engineer** Feb 2026 – Present
Kokka & Company Pittsburgh, PA
 - **SMB Consulting:**
 - * Analyzed and re-architected multi-channel supply chain data flows with multi-agent orchestration for automated logistics communication
 - * Dynamically pulled data from SAP ERP and Salesforce CRM for an inventory-aware demand forecaster.
 - * Deployed local OpenClaw instances for SMS-based customer service, translating operational needs into a working analytics-backed tool for a non-technical audience without help-desk overhead
- **Developer** Jan 2025 – Jan 2026
Nagarro New York City, NY
 - **Living Personas – Simulated B2B & B2C Engagements:**
 - * Built full-stack application using TypeScript, JavaScript, Python, React + Tailwind (Vite), and Node.js + Express/Flask backend services, containerized with Docker
 - * Designed and maintained data pipelines on GCP Cloud Run that processed social media and engagement data into structured, analytics-ready persona profiles used to inform stakeholder decisions
 - * Implemented authentication, secret management, and cloud storage architecture to ensure secure, consistent, and reliable access to persona data and chat history
 - **Pharmacovigilance Audit & Campaign Management Bot:**
 - * Built a data ingestion and retrieval pipeline using ChromaDB for semantic search over large unstructured datasets, integrating transformers, spaCy, and NLTK for NLP-based analysis
 - * Designed a query processor for classification, entity extraction, and phrase derivation, then integrated OpenAI API to automate summarization and reporting of findings for stakeholders

PROJECTS

- **Video Game Market Analysis (Report):** Cleaned and analyzed large market datasets sourced from VGChartz & NPD, applying MDS and Pearson's tests and visualizing trends via mosaic and ridge plots to translate findings into business-relevant insights. Group project.
- **Digit Recognizer (GitHub):** Built a neural network classifier in Python from scratch, achieving 85% accuracy across 60k+ training/testing samples in under 1 minute.

SKILLS

- **Data Analysis & BI:** SQL, Power BI, Excel, Pandas, NumPy, PySpark
Programming Languages: C, C++, Java, JavaScript, Python, R, Ruby
Frameworks & Tools: PyTorch, Flask, React, Docker, Vite, Streamlit
Libraries: scikit-learn, NLTK, spaCy, Transformers
Platforms: GCP, Azure
Languages: English (fluent), Mandarin (proficient), Hindi (fluent)