Ashi Gupta

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SKILLS

- **Languages**: Python, Java, SQL, .Net
- **Frameworks**: Pandas, Numpy, Scikit-learn, LangChain, Streamlit, Hadoop , RAG, CI/CD Pipelines
- **Tools/Platforms**: Google Colab, Jupyter, IntelliJ, Tableau, Power BI, MySQL, Excel, GitHub
- **Soft Skills**: Adaptability, Time Management, Communication Skills, Quick Learner

INTERNSHIP

Practo Technologies Pvt. Limited
Jun'24 – Aug'24

- *Data Analyst*
  - Analyzed health and demographic data to **identify common traits** leading to heart disease.
  - Processed **100,000+ health records** to uncover **7+ risk factors** (e.g., High Cholesterol, High BP, BMI) using statistical techniques and visual analysis.
  - Developed **10+ visualizations** (scatter plot, line plot, violin plot) to interpret data trends and collaborated with Practo and MentorMinds teams for risk assessments.
  - Applied **EDA, correlation analysis and data modelling** for health risk profiling using Python, Numpy, Pandas, Seaborn, and Matplotlib

  Tech: Python, Numpy, Pandas, Seaborn, Matplotlib

PROJECTS

Hybrid Travel Planner – ML Based Recommendation 🔗
Jul'25 – Aug'25

- Designed a travel recommendation system to generate personalized suggestions with a **40% boost** in relevance
- Architected a **34-feature ML pipeline** with collaborative signals improving **prediction by 25%**
- Consolidated 4 datasets and created **15+ engineered features** enhancing contextual understanding
- Launched **a Streamlit app** delivering real-time personalized travel recommendations with

Tech: Python, Scikit-learn, Random Forest, Ridge Regression, TF-IDF, NLP, Streamlit, Pandas

AskMyDocs – Intelligent Document Q&A with LangChain 🔗
Jul'25 – Aug'25

- Built a **GenAI Q&A app** using **LangChain (RAG)** to answer queries from PDFs with **~92% accuracy**
- Used **FAISS** and **sentence embeddings** for **semantic retrieval** across 1.5K+ chunks with **<1.5s latency**
- Integrated **Groq AI** and **Hugging Face LLMs** with custom prompts, boosting relevance by **28%**
- Automated with **CI/CD (GitHub Actions)**, cutting maintenance time by **30%**

Tech: LangChain, FAISS, Groq API, Hugging Face, Streamlit, PyMuPDF, Python, CI/CD

Navy Analysis and Route Optimization 🔗
Feb'25 – Mar'25

- Retrieved and processed **1000+ maritime data points** to support route analysis
- Engineered a **graph-based** solution using **Dijkstra's algorithm** to reduce congestion by 20%
- Simulated **15% cost savings** and **25% improvement** in route efficiency
- Visualized **Folium** to visualize routes, enabling clearer **geospatial** insights and decision-making

Tech: Python, BeautifulSoup, Numpy, XGBoost, Keras, Folium, Dijkstra's algorithm, Jupyter

TRAINING

Office Mastery – Power BI
Jul'25 – Jul'25

- *Novice*
  - **About**: Developed strong hands-on skills in Power BI by creating interactive dashboards, performing data transformation using Power Query, and applying DAX for custom calculations and insightful visualizations
  - **Result:** Leveraged Power BI's advanced features like data modeling, relationships, and slicers to data driven decision making
  - **Tech stacks used**: Power BI, DAX, Power Query, Dashboards

CERTIFICATES

- Data Science – Oracle Cloud Infrastructure — *Aug'25 – Aug'27*
- Data Analytics – Deloitte Australia Forage — *Jul'25 – Jul'25*
- Natural Language Processing – Infosys Springboard — *Feb'25 – Mar'25*
- IBM SQL & DBMS - Coursera — *Jan'25 – Feb'25*

EDUCATION

Lovely Professional University
Punjab, India

Bachelor of Technology - Computer Science and Engineering; CGPA: 8.2 — *Aug'22 – Jul'26*

Summer Valley School
Dehradun, Uttarakhand

- *Class XII; Percentage: 93%* — *Apr'21 – Mar'22*

Summer Valley School
Dehradun, Uttarakhand

- *Class X; Percentage: 93.8%* — *Apr'19 – Mar'20*