ASHI GUPTA

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SKILLS & INTERESTS

- **Programming Languages:** Python, Java, C# (.NET), SQL
- **Data Analyst & Processing**: Pandas, NumPy, Exploratory Data Analysis (EDA)
- **Machine Learning & NLP:** Scikit-learn, TF-IDF, Recommendation Systems, RAG, LangChain
- **GenAI & Retrieval Systems:** FAISS, Hugging Face LLMs, Prompt Engineering, Embeddings
- **Data Visualization & BI:** Matplotlib, Seaborn, Tableau, Power BI
- **Backend & App Development:** ASP.NET, REST APIs, Streamlit
- **Databases & Version Control:** MySQL, SQL Server (SSMS), Git, GitHub, CI/CD
- **Cloud & Platforms:** Azure (Basics), AWS(Basics), Google Colab, Jupyter Notebook
- **Soft Skill:** Teamwork, Problem-Solving, Leadership, Project Management

EXPERIENCE

Capgemini   Jalandhar, Punjab
Trainee (On- campus)   *Dec 2025 – Present*
- Selected through campus recruitment for .NET Full Stack program; trained in SQL Server (SSMS), C#, ASP.NET, and Agile SDLC with focus on database design and data-driven applications.
- Developed and tested backend modules integrating SQL queries, and Git workflows to support reporting, data processing, and application analytics.

Practo Technologies Pvt. Ltd.   Remote
Data Analyst Intern   *Jun 2025 – Aug 2025*
- Analyzed 100,000+ health records using Python and Pandas to identify 7+ major heart disease risk factors through EDA and correlation analysis.
- Developed 10+ data visualizations and collaborated with cross-functional teams to support data-driven health risk assessments.

PROJECTS

Hybrid Travel Planner   *Oct 2025*
- Designed a personalized travel recommendation system, improving relevance by 40% using collaborative and content-based filtering
- Built a 34-feature ML pipeline and engineered 15+ features from 4 integrated datasets to enhance prediction accuracy by 25%.
- Consolidated multiple datasets and deployed a Streamlit application for real-time personalized recommendations.
- Technologies used: Python, Pandas, NumPy, Scikit-learn, Random Forest, Ridge Regression, TF-IDF, NLP, Streamlit
- Application Link: hybridtravelplanner   GitHub Link: Hybrid Travel Planner

AskMyDocs – Intelligent Document Q&A with LangChain   *Apr 2025*
- Developed a GenAI-based document Q&A system using RAG architecture, achieving ~92% response accuracy on PDF documents.
- Implemented FAISS-based semantic search over 1,500+ chunks with low-latency retrieval.
- Integrated Groq AI and Hugging Face models with custom prompts to improve response relevance by 28%.
- Technologies used: Python, LangChain, FAISS, Hugging Face Transformers, Groq API, PyMuPDF, RAG, Streamlit, GitHub Actions (CI/CD)
- Application Link: echodocsapp   GitHub Link: Ask My Docs

Navy Analysis and Route Optimization   *Dec 2024*
- Collected and processed 1,000+ maritime data points to support route planning and congestion analysis.
- Designed a graph-based optimization system using Dijkstra's algorithm to reduce congestion by 20%.
- Simulated cost-efficient routes achieving 15% savings and 25% improvement in operational efficiency.
- Visualized optimized routes using Folium for improved geospatial insights and decision-making.
- Technologies used: Python, BeautifulSoup, NumPy, XGBoost, Keras, Folium, Dijkstra's Algorithm, Jupyter Notebook
- GitHub Link: Navy Analysis and Route Optimization

EDUCATION

Lovely Professional University   **Jalandhar, Punjab**
B.Tech, Computer Science and Engineering | Specialization in Data Science & Machine Learning   *Aug 2022 – Present*
- **CGPA: 8.3**
- **Relevant Courses:** Introduction to Python Programming, Probability and Statistics, Machine Learning, Analysis of Algorithms, Exploratory Data Analysis, Database Management Systems, Python Libraries, Engineering Mathematics, Advanced Communication Skills.

CERTIFICATIONS

- Data Science – Oracle Cloud Infrastructure   *(Aug 2025 – Aug 2027)*
- Data Analytics – Deloitte Australia (Forage)   *(Jun 2025 – Jul 2025)*
- Natural Language Processing – Infosys Springboard   *(Feb 2025 – Mar 2025)*
- IBM SQL & DBMS – Coursera   *(Jan 2025 – Feb 2025)*