BINEET KUMAR GUPTA

+91-6207732950 ⬦ Bengaluru, Karnataka

bineetgupta117@gmail.com ⬦ LinkedIn ⬦ Github ⬦ Portfolio

SUMMARY

AI-driven Data Scientist skilled in Machine Learning, Deep Learning, and MLOps. Focused on LLMs, RAG-based AI systems, and model deployment. Proficient in Python, SQL, and cloud technologies, with a strong focus on automation and AI-driven insights. Currently deepening expertise in Generative AI and AI agents.

EDUCATION

Master of Data Science and Analytics, Jain University   Expected 2025
Coursework: Machine Learning Operations (MLOps), Deep Learning, Big Data Analytics, and Advanced Data Visualization.

Bachelor of Statistics, St. Xavier's College   2019 - 2022
Coursework: Probability Theory, Statistical Inference, Regression Analysis, and Time Series Analysis.

SKILLS

Programming Languages: Python, R, SQL, MongoDB, SAS, MATLAB
Libraries and Frameworks: NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn, TensorFlow, Keras, LangChain
Tools: Jupyter, Tableau, GitHub, Git, DVC, Power BI, Streamlit, Flask, MLflow, Docker, FastAPI
Data Science: Machine Learning, Deep Learning, Data Analysis, Web Scraping, NLP, RAG (Retrieval-Augmented Generation)
Soft Skills: Communication, Team Collaboration, Problem Solving, Critical Thinking

EXPERIENCE

Nimesa - *AI Engineer, Bengaluru*   Feb 2025 - Present
- Developed an AI-powered HR Voice Agent to automate candidate screening and interview scheduling, reducing manual effort by 70%.
- Integrated automation tools (Make, n8n) and AI frameworks (LangChain, Relevance AI) to streamline workflows, including LinkedIn post automation and email automation.
- Built and deployed chatbots and voice agents using Python, NLP, and speech-to-text technologies for enhanced user interactions.

Sri Shankara Cancer Hospital - *Data Science Intern, Bengaluru*   Jul 2024 - Aug 2024
- Created and cleaned 5,000+ records by merging clinical and survey data of cancer patients.
- Analyzed correlations between tobacco use and cancer incidence across 10+ panchayats.
- Provided insights on cancer prevalence among tobacco users, impacting 1,000+ patients' data analysis.

PROJECTS

AI-Powered PDF Chatbot using RAG. (Link)
- Implemented RAG using FAISS, OpenAI embeddings, and GPT for intelligent PDF-based Q&A.
- Built a multi-mode chatbot with context-aware responses.
- Developed an interactive Streamlit UI for seamless user experience.

Text Summarization Application (Hugging face). (Link)
- Fine-tuned the Hugging Face facebook/bart-large-xsum model on the Samsum dataset.
- Achieved strong performance metrics: ROUGE-1: 54.11, ROUGE-2: 29.39, ROUGE-Lsum: 49.86.
- Built a Flask-based web app for user-friendly summarization services.

Application of Data Science to reduce Employee Attrition. (Link)
- Developed a classification model using Logistic Regression, Naive Bayes, Decision Trees, and Random Forest.
- Optimized model performance through hyperparameter tuning and ensemble techniques.
- Predicted employee attrition with a high precision and recall score of 96%.

CERTIFICATIONS

- **AI Agents and Agentic AI in Python, Vanderbilt University (Link)**
- **Python for Data Science and Machine Learning Bootcamp, UDEMY (Link)**
- **MLOps | Machine Learning Operations, Duke University (Link)**