Dhaani Bahl

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Education

VIT University — Sehore, M.P
Bachelor of Technology in Computer Science CGPA: 8.18 — *Expected Graduation:2026*

GVN The Global School — Bhopal, M.P
12th Standard CGPA: 9.2 — *2022*

St. Theresa's Girls' School — Bhopal, M.P
10th Standard CGPA: 9.83 — *2020*

Technical Skills

Languages: Python, HTML, CSS, Bootstrap, JavaScript
Tools: Qlik Sense, Git, MS Excel, Power BI, Figma, VS Code, Jupyter notebook
Skills: ML stack (TensorFlow, Scikit-Learn, Pandas)**,** Data structures, Algorithms, Linear Algebra, SQL, AWS (EC2, S3, VPC)

Experience

Qlik — Remote
Business Data Analysis Intern — *Apr 2024 – June 2024*

- Analyzed 400k+ accident records to identify high-risk demographics: 18–35-year-old males account for 60% of the total fatalities.
- Aimed to identify high risk groups: 18–35-year-old males and key accident cause: over speeding (65% of deaths) to support traffic authorities in reducing accident rates.
- Tech Stack: Qlik Sense, Data Cleaning & Transformation, Data Visualization, Storytelling Technique.

VoltusWave — Hyderabad
AI Intern — *May 2025– June 2025*

- Designing and developing an AI-powered chatbot to handle real-time conversations using Streamlit and LangChain.
- Employed asynchronous UI element- loading spinners to enhance user experience during AI response generation.

GirlScript Summer of Code (GSSoC 2025) — Remote
Contributor — *May 2025 – Present*

- Contributing to open-source repositories under GSSoC.
- Gained hands-on experience with Git, GitHub workflows, and collaborative development in large codebases.

Projects

Urban planning and road network analysis using satellite imagery (2024-2025)

- Designed and implemented 4 predictive models (Population Forecasting, Road Network Analysis, LULC, Water Demand Estimation) using Python, Scikit-learn, GEE and processing 556+ satellite datasets to optimize infrastructure planning across a 100 km² region in Sehore district as the part of a 10-member team.
- Helped urban planners to monitor support sustainable city development and improved resource prediction accuracy by 20%.
- Tech Stack: Sentinel-2A, GEE, Multi-band Raster Analysis, RGB Band Automation, Spatial Analysis.

Chatbot using Python (2025)

- Built a conversational chatbot with a latency of under **2s** per reply with contextual awareness using LangChain and OpenAI.
- Designed to enhance UI through a dynamic, responsive chat interface, reducing latency from 5.4s to 1.7s (68% faster).
- Tech Stack: Streamlit, LangChain, OpenAI API, Python, Frontend UI (chat I/O, session memory)

Predictive modeling for H1-b visa approval (ongoing)

- Designing a machine learning model to predict the approval likelihood of H1B visa applications using H-1B Visa Petitions
- Intended to assist applicants and employers by identifying key success factors and approval probabilities.
- Tech Stack: Python, Pandas, Scikit-learn, Matplotlib/Seaborn, H-1B Petitions Dataset (2011–2016), EDA.

Additional

- General proficiency award, 12th standard; achieved 88% (Board Examination); ranked fifth in school.
- Academic excellence award, 10th standard; achieved 94% (Board Examination); ranked first in school.

Languages: Hindi (Native), Punjabi (Native), English (Conversational)