

AKSHAT AWASTHI

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Education

Bennett University (CGPA- 8.08) (Latest SGPA - 9.12)

August 2023 – June 2027

Bachelor of Technology - Computer Science Engineering

G.Noida, UP

Relevant Coursework

- DSA
- Data Analysis
- Deep Learning
- Probability and Statistics
- Generative AI
- Machine Learning
- Database Management

Experience

YummYatra

June 2024 – September 2024

SWE Intern

Gr. Noida, UP

- Engineered a Python-based analytics module to process customer funnel data across 4 product categories, improving recommendation accuracy by 25% through optimized data pipelines..
- Established a real-time vendor performance monitoring system, integrating SQL backend with Python APIs to surface KPIs, enabling early detection of underperforming vendors and improving service quality by 18%.
- Optimized SQL queries and implemented efficient data retrieval logic in backend services, reducing response time by 20% and improving overall system performance.

Projects

SwaRakshak | *Python, FastAPI, GenAI, LLM*

December 2025

- Developed an AI-powered legal assistance platform to answer user queries based on Indian constitutional and legal context using LLMs.
- Implemented dynamic NDA and legal document generation with customizable clauses, enabling users to create compliant drafts in real time.
- Designed a secure backend architecture with API-based access and role-based request handling to support external developer integration.
- Built a Web application interface for legal query submission and document generation, ensuring low-latency responses and smooth user experience.

RainyGenie - Rainfall Predictor | *Python, SARIMAX, JavaScript*

December 2024

- Implemented a SARIMAX time-series model to forecast seasonal rainfall trends across Indian states from year 2018 to 2028, achieving 92% accuracy and supporting climate risk planning.
- Performed data preprocessing, visualization, and model tuning in Python to enhance accuracy up to 80%.
- Deployed the SARIMAX model via a responsive Streamlit dashboard, enabling real-time rainfall insights for agricultural planning and early disaster response.
- Processed IMD rainfall data to detect monsoon anomalies and tuned model hyperparameters, improving prediction accuracy and regional pattern analysis.

NeuraWeb | *Python, Flask, Ollama (CodeLlama 7B), TailwindCSS, HTML5, Flask-CORS*

June 2025

- Built an AI web generator using CodeLlama:7B via Ollama, reducing frontend development time by 70%.
- Engineered a lightweight Python Flask backend to handle user prompts and deliver clean frontend code.
- Automated generation of modular, responsive webpages from user prompts, eliminating manual frontend development.
- Integrated local LLM inference for low-latency HTML generation and real-time user interaction.

Technical Skills

Languages: Python, C++, SQL

Web Technologies: Flask, FastAPI, HTML5, CSS3

Developer Tools: Git, VS Code

Data Tools: Excel, Power BI, Tableau, Jupyter Notebook, Google Colab

Libraries/Frameworks: NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, TensorFlow, Keras, PyTorch, OpenCV, StatsModels

Certifications

- **Algorithmic Toolbox** – University of California San Diego
- **Databases and SQL for Data Science with Python** – IBM
- **Text Retrieval and Search Engines** – Illinois