ANUSHKA GUPTA

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Summary

Highly motivated and results-oriented Data Science and AI/ML student with proven experience in data analysis, machine learning model development, and project management. Seeking a challenging entry-level role leveraging expertise in Python, NLP, and data visualization to contribute to innovative projects.

Skills

Programming: Python (NumPy, Matplotlib, Pandas, Seaborn, GeoPandas, GDAL, API), SQL, JavaScript, HTML, CSS

AI/ML: Deep Learning, NLP, Generative AI, ChatGPT, Amazon Q, Machine Learning model development, Feature Extraction, Data Analysis

Data Science: Data Exploration, Data Preprocessing, Data Cleaning, Data Visualization (Tableau, Power BI), Geospatial Analysis (GDAL, GeoPandas)

Tools & Platforms: Tableau, Power BI, Microsoft Office Suite, GitHub, Kaggle, Colab, Jupyter Notebooks, VS Code, Arduino

Soft Skills: Project Management, Team Leadership, Critical Thinking, Problem-Solving, Communication, Empathetic Listening

Experience

Deloitte Australia, Lucknow, UP

Data Analytics Job Simulation (Forage) | July 2025

* Completed a data analysis job simulation utilizing forensic technology.
* Developed a data dashboard using Tableau to visualize key findings.
* Performed data classification in Excel, deriving actionable business insights.

Zidio Development, Bengaluru, Karnataka

AI/ML Intern | July 2024 – Oct 2024

* Developed a speech emotion recognition system using MFCCs and pitch analysis for real-time predictions.
* Built a digit recognition system employing edge detection, HOG, and Zernike moments for feature extraction.
* Designed and implemented a scalable recommendation system with enhanced security features.

YBI Foundation, Lucknow, UP

AI/ML Intern | June 2024 – July 2024

* Predicted hill & valley patterns and wine quality using machine learning models.
* Improved model accuracy through data preprocessing and geospatial visualization.

Cognifyz Technologies, AICTE, Lucknow, UP

Data Science Intern | March 27, 2024 – April 27, 2024

* Conducted restaurant analysis and modeling using geospatial visualization and correlation analysis.
* Addressed class imbalance issues and performed comprehensive data preprocessing.

CipherByte Technologies, Lucknow, UP

Data Science Intern | March 18, 2024 – April 15, 2024

* Developed an NLP-based spam email detection system.
* Performed unemployment analysis using time series forecasting with Statsmodels.

Oasis Infobyte, AICTE, Lucknow, UP

Data Science Intern | March 1, 2024 – April 5, 2024

* Developed predictive models for iris species classification, sales prediction, and car price prediction.
* Applied regression techniques and feature engineering to enhance model accuracy.

Projects

Smart Bin: An IoT-Based Waste Segregation and Recycling System

* Designed and developed a comprehensive IoT-based waste management solution using Arduino, humidity sensors, ultrasonic sensors, and servo motors.
* Created a website to educate users and provide tools for waste recyclers.

Education

Babu Banarasi Das University, Lucknow, UP

Bachelor of Engineering in Computer Science & Engineering (AI Specialization) | 2022 – Expected 2026

Cumulative GPA: 8.2/10

Certifications

Amazon Q, AWS

Natural Language Processing (NLP), Infosys Springboard

Introduction to Artificial Intelligence & Deep Learning, Infosys Springboard

Power BI Training & Project, Infosys Springboard

AI FOR INDIA 2.0, GUVI

Python for Data Science, IBM

The Advanced HTML 5 Courses, Udemy

RS & GIS Application in Natural Resources, Indian Institute of Remote Sensing, ISRO

Overview of Space Science & Technology, Indian Institute of Remote Sensing (IIRS), ISRO

Professional Leadership

Chairperson, IEEE Student Branch | Nov 2024 – Present

* Founded and lead the IEEE Chapter at Babu Banarasi Das University.
* Founded the IEEE Computer Society at the university.

Publications

Smart Bin: An IoT-Based Waste Segregation and Recycling System. International Conference on AI in Digital Growth, ADG 2025, IEEE Computational Intelligence Society, UP Section

Activities

IDEATHON Event Coordinator | April 12, 2025

* Managed the planning and execution of IDEATHON, a technical event with 70+ participating teams.

Infosys Springboard Pragati Cohort 2 | June 2024 – September 2024

* Advanced coursework in AI, NLP, Deep Learning, and Generative AI.
* Focused on personal and professional development.