**ANUSHKA GUPTA**

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**EDUCATION**

**Babu Banarasi Das University**  **Lucknow, UP**

**Bachelor of Engineering** 2022 – Expected 2026

* Major in Computer Science & Engineering; Specialization in Artificial Intelligence
* **Cumulative GPA:** 8.2/10; Striving
* **Relevant Coursework:** Data Analysis, Software Engineering; Operating System; Machine Learning; Algorithms; Artificial Intelligence; Data Structures; Neural Networks; Data Science; Computer Vision; Automation

**PROFESSIONAL EXPERIENCE**  Over all experience: 2 Year

**Deloitte Australia Lucknow, UP**

**Data Analytics Job Simulation on Forage** July 2025

* Completed a Deloitte job simulation involving data analysis and forensic technology.
* Created a data dashboard using Tableau.
* Used Excel to classify data and draw business conclusions.

**Zidio Development Bengaluru, Karnataka**

**Artificial intelligence and machine learning Intern**  July 2024 – Oct 2024

* **Projects:** Speech emotion recognition, Digit recognition, Recommendation system.
* Built a speech emotion recognition system using MFCCs and pitch analysis for real-time predictions.
* Built a digit recognition system with edge detection and HOG, and Zernike moments for feature extraction.
* Designed a scalable recommendation system with security enhancements.

**YBI Foundation Lucknow, UP**

**Artificial intelligence and machine learning Intern**  June 2024 – July2024

* **Projects**: Hill & valley prediction using logistic regression, White wine quality prediction.
* Predicted hill & valley patterns and wine quality using machine learning models.
* Enhanced results with data preprocessing and geospatial visualization.

**Cognifyz Technologies, AICTE Lucknow, UP**

**Data science Intern** 27th March 2024 – 27th April 2024

* Completed 1-month AICTE-approved Data Science internship at Cognifyz Technologies.
* **Projects**: Restaurant Analysis & Modeling.
* Conducted restaurant analysis & modeling, using geospatial visualization and correlation analysis to identify key trends.
* Addressed class imbalance and performed comprehensive data preprocessing to improve model accuracy and reliability.

**CipherByte Technologies Lucknow, UP**

**Data science Intern** 18th March 2024 – 15th April 2024

* **Projects**: Spam email detection, Unemployment analysis
* Worked with time series forecasting model by using Stats models.
* Created an NLP-based spam email detection system for accurate classification and performed unemployment analysis using time series forecasting to uncover key economic patterns.

**Oasis Infobyte, AICTE Lucknow, UP**

**Data science Intern** 1st March 2024 – 5th April 2024

* **Projects**: Iris species classification, Sales prediction, Car price prediction
* Developed predictive models for iris species, sales, and car price predictions.
* Applied regression and feature engineering for enhanced analytics.

**PROFESSIONAL LEADERSHIP**

**Chairperson, IEEE Student Branch**  November 2024 – Present

* **Founder & Chairperson, IEEE Chapter**: Established and lead the IEEE Chapter at Babu Banarasi Das University.
* **Founder, IEEE Computer Society**: Launched the IEEE Computer Society at the university to promote tech innovation and networking.

**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**

**PROJECTS**

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

Designed and developed a comprehensive IoT-based waste management solution to promote sustainability.

* Segregates dry and wet waste using arduino, humidity sensors, ultrasonic sensors, and servo motors.
* Built a website to educate users on reusing waste and provide innovative tools for ragpickers ([SmartBin Website](https://sites.google.com/bbdu.ac.in/smartbin/home)).
* Promotes employment and income opportunities for slum dwellers, fostering healthier living conditions.

**ACTIVITIES**

**IDEATHON, Akhil Jyot, Babu Banarasi Das University, Lucknow Lucknow, UP**

**Event Coordinator** 12 April 2025

* Managed the planning and execution of *IDEATHON*, a high-impact technical event where 70+ teams pitched ideas, fostering innovation and entrepreneurship on campus.

**Infosys Springboard Lucknow, UP**

**Pragati: Path to Future, Cohort-2**  June 2024 – September 2024

* Engaged in advanced coursework on Artificial Intelligence, Natural Language Processing (NLP), Deep Learning, and Generative AI.
* Focused on personal and professional development, including leadership and personality development.

**SKILLS**

* **Programming:** HTML, CSS,SQL, Python (NumPy, Matplotlib, Pandas, Seaborn, GeoPandas, GDAL, API), JawaScript
* **Tools & Platform:** Tableau, Power BI, Microsoft Office, GitHub, Automation using Arduino, Kaggle, Colab, Jupyter Notebooks, VS Code
* **AI & ML:** ChatGPT, Gemini, MetaAI, Generative AI, Deep Learning, NLP, AmazonQ
* **Data Science:** Data Exploration, Data Preprocessing, Data cleaning, Feature Extraction, Data Analysis
* **Soft Skills:** Project Management, Team Management, Critical Thinking, Research, Empathetic Listening, Negotiation, Leadership
* **Languages:** English and Hindi

**CONFERENCE**

* **IEEE Sensors Council 2024,** IEEE Sensors Counsil

**Workshop**

* **Smart Technologies for Sustainable Energy Systems,** IEEE Uttar Pradesh Section, IEEE Sensors Counsil

**CERTIFICATION**

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