

# ANUSHKA GUPTA

Lucknow, UP | P: +91 8601128465 | anushkag472004@gmail.com | [LinkedIn](#) | [GitHub](#) | [Google Cloud](#) | [Learn](#)

## SUMMARY

Dedicated Computer Science student specializing in Artificial Intelligence, with strong leadership skills as the Founder and Chairperson of the first IEEE society at Babu Banarasi Das University. Experienced in AI, Machine Learning, and Data Science through hands-on projects and internships, with expertise in Python, SQL, and data visualization tools. Passionate about developing innovative technology solutions and solving real-world problems.

## EDUCATION

<b>Babu Banarasi Das University</b>	<b>Lucknow, UP</b>
<b>Bachelor of Engineering</b>	2022 – Expected 2026
<ul style="list-style-type: none"><li>Major in Computer Science &amp; Engineering; Specialization in Artificial Intelligence</li><li><b>Cumulative GPA:</b> 7.6/10; Striving</li><li><b>Relevant Coursework:</b> Data Analysis, Software Engineering; Operating System; Machine Learning; Algorithms; Artificial Intelligence; Data Structures; Neural Networks; Data Science; Computer Vision; Automation</li></ul>	

## PROFESSIONAL EXPERIENCE

Over all experience: 1 Year

<b>Zidio Development</b>	<b>Bengaluru, Karnataka</b>
<b>Artificial intelligence and machine learning Intern</b>	July 2024 – Oct 2024
<ul style="list-style-type: none"><li><b>Projects:</b> Speech emotion recognition, Digit recognition, Recommendation system.</li><li>Built a speech emotion recognition system using MFCCs and pitch analysis for real-time predictions.</li><li>Built a digit recognition system with edge detection and HOG, and Zernike moments for feature extraction.</li><li>Designed a scalable recommendation system with security enhancements.</li></ul>	
<b>YBI Foundation</b>	<b>Lucknow, UP</b>
<b>Artificial intelligence and machine learning Intern</b>	June 2024 – July 2024
<ul style="list-style-type: none"><li><b>Projects:</b> Hill &amp; valley prediction using logistic regression, White wine quality prediction.</li><li>Predicted hill &amp; valley patterns and wine quality using machine learning models.</li><li>Enhanced results with data preprocessing and geospatial visualization.</li></ul>	
<b>Cognifyz Technologies, AICTE</b>	<b>Lucknow, UP</b>
<b>Data science Intern</b>	27 <sup>th</sup> March 2024 – 27 <sup>th</sup> April 2024
<ul style="list-style-type: none"><li>Completed 1-month AICTE-approved Data Science internship at Cognifyz Technologies.</li><li><b>Projects:</b> Restaurant Analysis &amp; Modeling.</li><li>Conducted restaurant analysis &amp; modeling, using geospatial visualization and correlation analysis to identify key trends.</li><li>Addressed class imbalance and performed comprehensive data preprocessing to improve model accuracy and reliability.</li></ul>	
<b>CipherByte Technologies</b>	<b>Lucknow, UP</b>
<b>Data science Intern</b>	18 <sup>th</sup> March 2024 – 15 <sup>th</sup> April 2024
<ul style="list-style-type: none"><li><b>Projects:</b> Spam email detection, Unemployment analysis</li><li>Worked with time series forecasting model by using Stats models.</li><li>Created an NLP-based spam email detection system for accurate classification and performed unemployment analysis using time series forecasting to uncover key economic patterns.</li></ul>	
<b>Oasis Infobyte, AICTE</b>	<b>Lucknow, UP</b>
<b>Data science Intern</b>	1 <sup>st</sup> March 2024 – 5 <sup>th</sup> April 2024
<ul style="list-style-type: none"><li><b>Projects:</b> Iris species classification, Sales prediction, Car price prediction</li><li>Developed predictive models for iris species, sales, and car price predictions.</li><li>Applied regression and feature engineering for enhanced analytics.</li></ul>	

## PROJECTS

**Smart Waste Management 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.
- Calculates humidity levels and suggests recycling and reuse methods.
- Built a website to educate users on reusing waste and provide innovative tools for ragpickers ([SmartBin Website](#)).
- Promotes employment and income opportunities for slum dwellers, fostering healthier living conditions.

## PROFESSIONAL LEADERSHIP

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**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.

## ACTIVITIES

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**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.

**COLOROTHON, Largest Urban Art Community**

**Lucknow, UP**

**Volunteer**

3 March 2024

- Registered and guided over 1000 participants throughout the event day.
- Streamlined event operations, managed participant check-ins, coordinated volunteer teams, and ensured seamless execution.

## SKILLS

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- **Programming:** HTML, CSS, SQL, Python (NumPy, Matplotlib, Pandas, Seaborn, GeoPandas, GDAL, API)
- **Framework:** Flask
- **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
- **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

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- **IEEE Sensors Council 2024**, IEEE Sensors Council

## CERTIFICATION

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- **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
- **Python**, GUVI
- **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)
- **Internet of Things Applications**, Skillsoft