

ANUJ KUMAR SINGH

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📍 India

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CAREER OBJECTIVE

Passionate AI & Data Science student with hands-on experience in Machine Learning, Deep Learning, and Full-Stack Web Development. Skilled in practical problem-solving through hands-on projects and seeking opportunities to contribute to impactful real-world applications.

SKILLS

Languages: Python, C, Core Java, JavaScript

- Technologies:**
- Machine Learning
 - Deep Learning
 - Natural Language Processing (NLP)
 - Computer Vision (YOLO, OpenCV)
 - Prompt Engineering

Familiar with: TensorFlow, Keras, Scikit-learn, Face_recognition, NLTK, Pandas, NumPy, Matplotlib, Seaborn, API Integration

Frameworks: Flask, Bootstrap, Frontend (HTML/CSS/JS), Streamlit (for building AI apps)

Others: GitHub, VS Code, Jupyter Notebook, Linux (Ubuntu), AWS EC2 (model deployment), Databases (MongoDB)

EDUCATION

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|---|-------------------|----------------------|
| • Bachelor of Computer Applications (DS & AI) | CGPA: 8.12 | Aug 2024 – May 2027 |
| <i>Gopal Narayan Singh University, Jamuhaar</i> | | |
| • Higher Secondary School (12th) | Percentage: 74.6% | Sept 2022 – Jan 2024 |
| <i>Shershah College, Sasaram</i> | | |

PROJECTS

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|---|----------------|
| • Automated Attendance System using Face recognition with Multi-Class Handling ↗ | Aug – Oct 2025 |
| <i>Python, OpenCV, face_recognition, Flask, MongoDB, HTML, CSS, JS, Bootstrap, JSON</i> | |
| ◦ Implemented a secure login system using face recognition, eyeblink verification, and password authentication for students, teachers, and admins. Enabled real-time liveness detection and role-based access control. | |
| ◦ Developed a timetable-driven attendance system with integrated camera control. Automatically starts attendance with web cameras or allows manual control on mobile devices. Classifies individuals as Teacher/Student/Unknown and verifies the correct teacher before marking student attendance. Reduced manual effort by 85%-90%. | |
| ◦ Designed user-friendly dashboards: students can view attendance records; teachers can start attendance, view/download attendance reports, access recorded sessions, and live stream classes; admins can manage teachers/students, upload timetables/subjects, and monitor live sessions across multiple classes. | |
| • Emotion and Sentiment Classification using NLP ↗ | Jun – Jul 2025 |
| <i>Python, Pandas, Matplotlib, Seaborn, Wordcloud, Scikit-learn, TensorFlow, Keras</i> | |
| ◦ Built a complete NLP pipeline to classify text into 6 and 13 emotion categories and binary sentiments (positive/negative) using techniques like text cleaning, tokenization, stopword removal, TF-IDF vectorization, StandardScaler, and label encoding. | |
| ◦ Trained and compared multiple ML models (Logistic Regression, KNN, SVM, Decision Tree, Random Forest, MLP) with ensemble learning and Grid Search optimization, then developed an LSTM-based deep learning model with EarlyStopping — achieving high accuracy across classes (e.g., Joy 99.4%, Sadness 97.4%, Anger 98%) and strong interpretability through WordCloud and Confusion Matrix visualizations. | |

ACHIEVEMENTS

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| • 1st Runner-Up, Technovate 1.0 – IBM Day 2025 | 10 & 11 Feb 2025 |
| ◦ Honored by IBM and Cognitel at GNSU for creating a chatbot that provided practical, real-world solutions. | |
| • Senior Participant, Techphilia 8.0 Hackathon - Amity University, Patna | 22 Apr 2025 |
| ◦ Led a team to develop an AI-powered energy optimization system that predicts consumption patterns, minimizes energy waste, and promotes sustainability by providing actionable recommendations for efficient energy use. | |
| • Attend the IBM Immersion Program 2025 at the IBM BCS Building, Kolkata | 6 & 7 Feb 2025 |
| ◦ Explored AI, Frontend Development, and Data Visualization domains while gaining valuable industry insights | |

SOFT SKILLS

- Team Coordination
- Strategic Thinking
- Project Planning & Delivery
- Curiosity and lifelong learning

CERTIFICATES

- Utkranti - Catalyst Kaksha Program – Participant ↗ - “Idea to Business Plan” organized by IIT Mandi Catalyst.
- Front End Technologies – IBM Career Education Program ↗ - Issued by IBMCEP (CognitiveClass.ai)