

# Aditya Bhatnagar

## AI Engineer

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### Professional Summary

AI and ML engineer with a robust foundation in Python, NLP, and machine learning, coupled with extensive experience in C and C++. Proficient in using TensorFlow, OpenCV, and Scikit-Learn for deep learning projects. Adapted in deploying ML models on AWS. Additionally skilled in Cinematography and image processing, with hands-on experience in video editing and photography. Strong problem-solving abilities and a keen interest in integrating technology with creative arts. Proficient in using new emerging tools like Chat GPT and writing to the point prompts for accurate results.

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### Technical Skills

**Programming Languages:** Python, C, C++, SQL

**Web Development:** HTML, CSS, JavaScript

**AI:** Machine Learning, Deep Learning, NLP, Scikit-learn, OpenCV

**Cloud Technologies:** AWS

**Version Control:** Git, GitHub

**Databases:** MySQL

**Operating Systems:** Linux, Windows, Ubuntu

**Frameworks:** TensorFlow, Flask

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### Professional Experience

#### Machine Learning Intern

REGex Software Services, Jaipur | [02/2024] – [08/2024]

- Explored machine learning and deep learning principles including supervised and unsupervised learning, neural networks, optimization algorithms, and natural language processing.
- Proficient in Linux OS fundamentals, Git, GitHub, and Python programming, especially Pandas and NumPy.

#### Creative Member

Microsoft Student Club, BKBIET Pilani | [02/2021] – [06/2024]

- As a member of the Microsoft Student Club, I collaborated with my team to organize Zenith, a 3-day college event focused on technology and innovation named Zenith.
  - In addition to this, I had a particular role for conducting tech workshops, helping students enhance their skills and stay updated with the latest technological trends
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### Education

#### Bachelor of Technology in Artificial Intelligence

BK Birla Institute of Engineering and Technology, Pilani (Raj.) | [10/2020] – [06/2024]

- Relevant Coursework: Artificial Intelligence, Machine Learning, Data Structures, Computer Vision
  - Developed a real-time number plate detection system using OpenCV and Python for use in security applications.
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### Projects

#### OSINT Tool: "Echo3-1"

- Experienced developer skilled in building OSINT tools leveraging AI, machine learning, and web scraping to gather and analyse data from social media and online platforms for investigative purposes.

#### Number Plate Detection System

- Developed a real-time number plate detection system using OpenCV and Python for use in security applications.

#### Movie Review Analyzer

- Built a sentiment analysis tool for IMDb movie reviews using the technologies of Python, Natural Language Processing, Beautiful Soup, Text Blob, Scikit-Learn
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### Additional Information

- Languages:** English (Fluent), Hindi (Native)
  - Interests:** Photography, Cinematography, Videography
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### Certifications

- IBM's Python for Data Science, AI and Development
- Cyber Security Workshop