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| Aditya Bhatnagar | | |
|  | AI Engineer | Cinematographer |  |
|  | Udaipur, India +91 8949905356 aditya60bh@gmail.com |  |
| 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. Adapt at 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. | | |
| Skills | | |
| **Languages:** Python, C, C++, SQL, HTML, CSS, JavaScript  **Tools & Technologies:** TensorFlow, OpenCV, Scikit-Learn, Pandas, NumPy, AWS, Git, GitHub, Linux OS  **Other Skills:** AI, Machine Learning, NLP, Image Processing, Deep Learning, Data Structures and Algorithms, DBMS  **Image Processing:** OpenCV, Adobe Photoshop, Adobe Firefly  **Cinematography:** DSLR/Mirrorless Camera Operations, Composition Techniques, Lighting, Post-Processing | | |
| Work Experience | | |
| REGex Software Services - Jaipur, Rajasthan | | |
| Intern/Trainee (Feb 2024 – Aug 2024)   * Explored machine learning and deep learning principles including supervised and unsupervised learning, neural networks, optimization algorithms, and natural language processing. * Leveraged Amazon SageMaker for deploying and managing ML models on AWS. * Proficient in Linux OS fundamentals, Git, GitHub, and Python programming, especially Pandas and NumPy.Write in present tense if you are still employed. | | |
| Microsoft Student Club – BKBIET(Pilani), Rajasthan | | |
| Creative Member (Feb 2021 - June 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. | | |
| Education | | |
| B. Tech: Artificial Intelligence Engineering | | |
| BK Birla Institute of Engineering and Technology | Pilani, Rajasthan  October 2020 – June 2024  Aggregate **CGPA**: **8.09** | | |

Projects (Main)

Number Plate Detector

Objective: Developed a system to detect vehicle number plates in real-time from video feeds like CCTV’s, ATM camera etc.

Technologies: **Python**, **OpenCV**, **TensorFlow**, **Machine Learning**, **Deep Learning**

-Key Contributions:

- Trained a **CNN model** for accurate plate detection.

- Integrated **OpenCV** for video processing, achieving a 95% detection rate.

- Optimized the system for **real-time deployment**.

Movie Review Analyzer

Objective: Built a sentiment analysis tool for IMDb movie reviews.

Technologies: **Python**, **Beautiful Soup**, **Text Blob**, **Scikit-Learn.**

Key Contributions:

- Scraped and preprocessed review data.

- Applied **machine learning models**, achieving 89% accuracy in **sentiment classification**.

-Applied **Feature Engineering** for data processing, **NLP** concepts for **sentiment analysis**.

Voice Assistant

Objective**:** Developed a voice assistant capable of executing commands and interacting with users.

Technologies: **Python**, **SAPI (Speech API)**, **SpeechRecognition**.

Key Contributions:

-Implemented speech recognition using SAPI for accurate voice command processing.

-Integrated with various APIs to perform tasks such as opening applications, searching the web,

and setting reminders.

-Enhanced user interaction with **Natural language processing** for better response accuracy.

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| Certifications |
| **IBM’s Python for Data Science, AI and Development**  **Cyber Security Workshop**  **Management Certificate: Zenith** |