ADITYA KAUSHIK

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EDUCATION

2021 – May 2025
Gautam Buddha University Greater Noida, Uttar Pradesh
B.Tech(A.I.) 7.12-CGPA

2020
Delhi Public School Vasundhara , Ghaziabad
Intermediate School (CBSE) - 85% (PCM)

2018
Delhi Public School Vasundhara , Ghaziabad
High School (CBSE) - 84%

WORK EXPERIENCE

Python Devloper Intern | 07/2024 – 08/2024
Cetpa Infotech Pvt. Ltd., Noida

• Learned Python fundamentals, including data structures, loops, and functions.

• Gained hands-on experience with libraries like NumPy and Pandas.

• Worked on small projects and assignments to strengthen problem-solving skills.

• Explored basic concepts of OOP (Object-Oriented Programming) in Python.

• Understood file handling, exception handling, and basic automation scripts.

TECHNICAL SKILLS

Tech Stack & Tools: Python, TensorFlow, PyTorch, Docker, Kubernetes, CI/CD, Git, AWS, Azure, MLOps, Model Deployment, Model Optimization, Data Pipelines.

Soft Skills: Technical Leadership, Project Management, Team Collaboration, Problem-Solving, Stakeholder Engagement.

CERTIFICATION

Python Developer Intern **Cetpa Infotech Pvt Ltd**

SUMMARY

Dedicated AI/ML Engineer with a strong foundation in Python, TensorFlow, and PyTorch. Experienced in developing real-world machine learning applications, including fraud detection, predictive modeling, and NLP-based solutions. Proficient in data preprocessing, feature engineering, and model optimization to enhance accuracy and performance. Hands-on experience with Flask, FastAPI, and Docker for scalable AI deployment. Passionate about continuous learning and solving complex problems through data-driven insights. Currently refining skills through internships and practical projects, ensuring a balance of theoretical knowledge and real-world application.

PROJECTS

Algerian Forest | Link

•Developed a machine learning model to predict forest fires in Algeria using metrological and environmental data.

•Conducted Exploratory Data Analysis (EDA) and feature engineering to identify key factors influencing fire outbreaks.

•Optimized hyperparameters using GridSearchCV to enhance model performance and reduce false positives.

•Deployed the model using Flask and FastAPI, ensuring real-time fire risk assessment and early warnings.

Medical Insurance Cost Predictor | Link

•Developed a predictive model using XGBoost, achieving 94.5% accuracy in estimating medical insurance costs.

•Conducted extensive Exploratory Data Analysis (EDA) and feature engineering, reducing data noise by 30% and improving model performance.

•Applied hyperparameter tuning with GridSearchCV, increasing model efficiency and prediction accuracy by 15%.

•Generated data visualizations using Matplotlib and Seaborn, identifying key correlations that enhanced feature selection and improved predictions by 20%