

# ADNAN A

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## PROFILE

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I am seeking a challenging position in an organization where I can learn new skills, expand my knowledge, and help the organization accomplish its ambitions. I am dedicated in getting an opportunity where I can maximize my potential and significantly contribute to the organization's growth.

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## EDUCATION

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**B Tech Artificial Intelligence and Data Science (2024)** CGPA – 7.8

Dhanalakshmi Srinivasan College of Engineering, Coimbatore

**Higher Secondary Education**

Computer Science, KAHSS Kottopadam

**Central Board of Secondary Education**

MEMS Kombam

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## PROJECTS

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### Wild Animal Intrusion Detection Using AI

- This system integrates live camera monitoring to detect wildlife intrusions, alerting authorities through SMTP. It utilizes CNNs for precise image classification, trained with TensorFlow to enhance accuracy.
- Historical data analysis and visualization with Matplotlib and Tkinter predict animal presence trends, aiding in timely alerts to authorities and the public. The Tkinter-based GUI ensures user-friendly monitoring and management of wildlife activity.

### Time Series Forecasting Using Apache Spark

- Developed scalable time series forecasting pipelines using Apache Spark, leveraging Spark MLlib for feature engineering, model training, and distributed processing to handle large datasets efficiently.
- Implemented real-time forecasting solutions with Spark Structured Streaming, integrating lag features, rolling statistics, and predictive models to deliver accurate and timely predictions for business-critical applications.

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## SKILLS

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**Languages :** Python, HTML, SQL

**Machine Learning :** Supervised Learning, Unsupervised Learning, NLP, Computer Vision, CNN, Algorithms

**Libraries :** Numpy, Pandas, Matplotlib, Sci-kit learn, Tensorflow, Seaborn

**Frameworks/Tools :** Tableau, Django, Git, Jupyter, VS code, Excel

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## INTERNSHIP

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### Data Science and Gen AI Intern

iDatalytics

- Performed data cleaning, preprocessing, and exploratory analysis to uncover insights and support decision-making.
- Built and evaluated machine learning models, utilizing statistical techniques and performance metrics to solve business challenges.
- Created interactive dashboards and visualizations using tools like Power BI, Tableau, and Python to present data insights effectively.