# ADAPA AJAY KUMAR

ASPIRING AI ENGINEER

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## SUMMARY

As a software engineer to secure a responsible career opportunity to fully utilize my skills, while making a significant contribution to the success of the company.

## TECHNICAL SKILLS

**Programming languages:**

- Python
- Java

**Frameworks & Libraries:**

- Scikit-Learn, Numpy, NLTK
- TensorFlow, Keras, PyTorch
- Matplotlib, Seaborn, Pandas

**Databases Management & Tools:**

- SQl and NOSQL
- Tableau
- Statistics and Analytics
- Big Data
- Natural Language Processing
- Artificial Neural Networks (ANN)
- AWS Cloud Infrastructure

## CERTIFICATIONS

- Data Science (AI & ML) | UpGrad | Jan'24
- Data Structures & Algorithms (DSA) | GFG | Jul'22

## POWER SKILLS

- Friendly, adaptable to work on any team.
- Imaginative and Empathetic.
- Helpful in nature.
- Curious and Creative.
- Easy Collaboration and Communication.

## ACHIEVEMENTS

- Received badges from UpGrad like, The Gray, Maestro, Wizard, Maven, Scholar | Dec'23
- Participated National Chess competition | Jan'18

## PROJECTS

**Time Series Forecasting on Walmart sales:** Mar"24

- Domain: Time Series |Programming Language: Python
- Developed a robust sales forecasting system by analyzing historical sales data.
- Leveraged ARIMA, SARIMA, FB Prophet and RNN – LSTM models to achieve high-accuracy predictions, with an RMSE value of 0.1589.
- Deployed the solution via Streamlit webapp, quantified the impact of accurate sales predictions on revenue and profitability.

**Fruits Images Classification:** Dec'23

- Domain: Computer Vision | Programming Language: Python
- Utilized Deep Learning Frameworks like TensorFlow and PyTorch.
- Implemented CNN architecture like VGG, ResNet and Inception to accelerate model development and enhance performance.
- Conducted thorough model evaluation employing key metrics like accuracy to assess performance of the model with 96% accuracy.

**Heart Stroke Prediction:** Mar'23

- Domain: Machine learning | Programming Language: Python
- Implemented Decision Trees and ensemble methods to improve model accuracy and interpretability, gaining valuable experience in predictive modeling and algorithm selection and achieved 89% accuracy.
- The main objective of the project is to provide a solid foundation in health care analytics and machine learning.

**Big Bazaar Data Analysis:** Nov'22

- Domain: Exploratory Data Analysis | Programming Language: Python
- Analyzed and visualized data on big bazaar to improve proficiency in data analysis.
- Data cleaning, Statistical analysis, feature engineering has been done to know the items purchased data.
- Gained valuable experience in python libraries such as pandas, matplotlib and seaborn.

## EDUCATION

**B.Tech. in Computer Science** Apr '20 – May'24

Lovely Professional University | Phagwara, IN

CGPA - 7.13

**Higher Secondary** Jun '18 - Mar '20

Alphores Junior Collage| Karimnagar,IN

CGPA - 9.11