# P. N. V. S. S. SAI ADITYA

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## Education

**Woxsen University** **August. 2023 – 2027[Expected]**
*Bachelor of Technology in Computer Science* *Hyderabad, Telangana*
CGPA: 9.02/10

**Fiitjee Jr. College** **2021 – 2023**
*MPC* *Hyderabad, Telangana*
Percentage Acquired: 95.4%

## Relevant Coursework

- Data Structures
- Machine Learning
- Algorithm Analysis
- Database Management
- Artificial Intelligence
- Computer Networks

## Projects

**EEG Based Schizophrenia Detection** | *Python, Deep Learning, CNN, VGG, Graph Neural Networks* **Under Progress**

- Developed a machine learning model to classify EEG signals for detecting schizophrenia using deep learning techniques.
- Implemented Convolutional Neural Networks (CNN) and VGG architectures for feature extraction and classification.
- Explored the conversion of EEG signals into graph structures to apply Graph Neural Networks (GNN) for improved performance.
- Evaluated model accuracy and performance using multiple approaches, optimizing for robustness and generalizability.
- Currently exploring contrastive learning (A self-supervised technique).

**Curriculum Enrichment Tool - Chatbot** | *Python, Langchain, OpenAI API, Streamlit* **November 2020**

- Developed a curriculum enrichment tool integrating a chatbot, book summarizer, and video summarizer to assist slow learners.
- Built a video summarization system that extracts transcripts from YouTube videos and generates concise summaries.
- Implemented a PDF-based chatbot using OpenAI API and LangChain for interactive question-answering.
- Designed a book summarization feature using LangChain to process and summarize book content.

## Technical Skills

**Languages**: Python, Java, HTML/CSS, JavaScript, SQL
**Developer Tools**: VS Code, IntelliJ IDEA, PostgreSQL, Xampp
**Technologies/Frameworks**: Tensorflow, Langchain, Streamlit
**Libraries**: Scikit-learn, Numpy, Pandas, Matplotlib

## Certifications

**Machine Learning Specialization – Andrew Ng** **DeepLearning.AI & Stanford University**

* Completed a structured curriculum covering Supervised, Unsupervised, and Reinforcement Learning.
* Developed and optimized ML models using Python, NumPy, and TensorFlow.
* Applied machine learning techniques to real-world datasets for regression, classification, and recommender systems.
* **Certificate:** View Credential

**Probability & Statistics for Machine Learning & Data Science** **DeepLearning.AI**

* Gained proficiency in probability distributions, Bayesian inference, and hypothesis testing.
* Applied statistical techniques for data-driven decision-making in machine learning.
* Worked on real-world datasets to analyze patterns using statistical methods.
* **Certificate:** View Credential