Pranaav Prasad

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Education

B.Tech - Computer Science with Major in Artificial Intelligence, 8.53 CGPA	2022–2026

Indian Institute of Information Technology Design and Manufacturing, Kancheepuram
- Probability and Statistics, Artificial Intelligence (Python), Deep Learning, Reinforcement Learning, Data Structure and Algorithms (C, C++), Design and Analysis of Algorithms, Theory of Computation, Applied Data Science

JEE Mains 2022 AIR - 13871; JEE Advance AIR - 18357	2022
Class 12th, CBSE, 94.6% (Mathematics - 99%, Computer Science - 100%)	2022
Class 10th, CBSE, 94% (Mathematics - 99%)	2020

Projects

Positive News Recommender System | *Python, TensorFlow, scikit-learn, NLTK*
- Developed an LSTM model for sentiment analysis using libraries like NLTK, TensorFlow, and scikit-learn.
- Trained and validated the model on a pre-existing dataset and tested its performance on novel cases.

Global Article Summarizer and Link Provider | *Google Gemini Pro API, Langchain, Streamlit, HuggingFace, DuckDuckGo API*
- Created a solution that provides summarized information and reference links on various topics, enhancing research efficiency for users.
- Developed the project for OpenHack-24 at IISc, Bangalore in February 2024.

Sudoku Solver | *Python, NumPy*
- Built a Sudoku solver using NumPy to generate solutions for Sudoku puzzles.
- Combined constraint satisfaction problems with graph search algorithms like DFS and BFS to optimize the solution process.

Experience

Co-Founder	May 2024 – Present

PiVOT Consulting
- Pioneered innovative frameworks and models with a startup incubator, accelerating business growth.
- Executed post-sales analysis and implemented data-driven strategies to optimize operations and enhance lead generation for an energy company.

Joint Core	August 2023 – August 2024

Google Developer Students Club
- Spearheaded events and workshops, boosting participation and fostering a tech community.
- Delivered sessions on emerging technologies, enhancing skills in data science and machine learning.

Certifications

Machine Learning and Reinforcement Learning in Finance Specialization — NYU, Coursera (6 months)	*May 2025*
Deep Learning Specialization — DeepLearning.AI, Coursera (6 months)	*2024*
Machine Learning Specialization — DeepLearning.AI, Coursera (3 months)	*2023*

Technical Skills

Languages: Python, R, C, C++
Libraries: TensorFlow, Keras, NLTK, NumPy, Pandas, Seaborn, scikit-learn, OpenCV
Technologies: Excel, MySQL, Tableau, Git, GitHub, Jupyter Notebook
Concepts: Machine Learning, Graph Algorithms (DFS, BFS, Dijkstra's Algorithm, DFBB, A* Algorithm), Recommender Systems, Relational Database Management

Extra-Curricular Activities

Basketball
- Won Inter IIIT Basketball Championship 2024.
- Referee for the Intra-College Basketball Championship 2023.

Swimming, Cycling, Reading, Baking