KARAN RAJ

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# Course College/School Year CGPA/Percentage



**EDUCATION**

|  |  |  |  |
| --- | --- | --- | --- |
| B.Tech (ECE) | Netaji Subhas University of Technology | 2023-2027 | 8.02 |
| CBSE Board (Class XII) | Bal Bhavan Public School | 2023 | 88% |
| CBSE Board (Class X) | Bal Bhavan Public School | 2021 | 96% |

**Built a GPT-style transformer from scratch in PyTorch**



 Implementing **tokenization**, **positional encoding**, masked self-attention, and **decoder-only architecture**.  Trained it to generate sentence completions and deployed it as a **basic interactive chatbot**.

# Stock Forecasting Web Application

 Built a **Streamlit web app** for predicting stock prices using **XGBoost** and live Yahoo Finance data.

 Integrated model loading, feature scaling, and **visual feedback in a real-time browser UI** which displays 60-days forecasts with matplotlib charts.

# Recipe App

 API Integration: Fetched and displayed recipes using **Retrofit, HTTP requests**, and **JSON parsing**.

 Android App: Built a dynamic recipe app with **RESTful APIs**, real-time data retrieval, and a user-friendly interface.

# App Dev Member at Google Developers Student Club (GDSC)



Played a key role in organizing bootcamps at GDSC, managing logistics and participant engagement. Participated in hackathons organized by GDSC.

# Event Manager At Moksha NSUT

Contributed to the organization of the 2024 Moksha cultural fest at NSUT, assisting with event planning and Execution.



Secured an AIR under 50 in the IMUCET examinations (Merchant Navy). JEE ADVANCED 2023 QUALIFIER.

Secured 97.6 percentile in JEE MAINS 2023 securing a rank of 28342. Solved 200+ problems across LeetCode, GFG.

Represented School in various zonal level olympiads.



**Programming Languages:** C++, Python,Kotlin(basic)

**Tech Stack:** TensorFlow, PyTorch, Scikit-learn, NumPy, Pandas, Matplotlib, Seaborn ,Streamlit,Kotlin

**Proficiency in:** Data Structures and Algorithm ,STL

**Languages:** English, Hindi, French(beginner)