Kushal Agrawal

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M.Tech Artificial Intelligence
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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
M.Tech. (AI)	Indian Institute of Technology, Jodhpur	7.71	Jul 2023-Present
B.Tech. (ME)	Institute of Engineering and Technology , Lucknow	8.41	2018-2022
Senior Secondary	CBSE Board	90.0%	2017
Secondary	ICSE Board	95.2%	2015

EXPERIENCE

- **TechUp Labs**   *01/2023 - 06/2023*
  Machine Learning Engineer   Remote
  – Took 6 active building projects / AI Tools from research to development to completion in under 4 months.
  – Created "OneForAll CodeGPT," an all-in-one application for resolving various code-related issues using LLM's.
  – Utilized LLM's to develop "MemeCap," a meme generation tool capable of creating memes from random or personal images within 1 week.

- **TechUp labs**   *Oct 2022 - Dec 2022*
  Machine Learning Intern   Remote
  – Worked on User Data Analysis to find behavioural pattern of users.
  – Worked on some internal projects including Time series forecasting , Sentiment analysis on Audio and Text data.

PROJECTS

- **OneForALL CodeGPT**
  An all-in-one application for resolving various code-related issues.
  – **Tools & technologies used**: GPT | ChatGPT API | Prompt Engineering | Streamlit App

- **American Express - Default Prediction**
  Developed a 2 Stage stacking of Boosting and Neural Network models to predict the credit card default.
- **MemeCap**
  Takes image as user Input , CV models transcribes the image and GPT model creates a meme caption out of it.
  – **Tools & technologies used**:LLM | CV | ChatGPT API | Prompt Engineering | Streamlit App

- **Cassava Leaf Disease Classification**
  Classified each cassava image into four disease categories.
  – **Tools & technologies used**: ResNet | EfficientNet | DataAugmentation.

KEY COURSES TAKEN

- Data Structure,Algorithms,DBMS,Machine Learning, Artificial Intelligence,Python

TECHNICAL SKILLS

- **Programming:** C,Python,SQL
- **Tools & OS:** Git, Jupyter Notebook,Google Colab, Linux, Windows , AWS EC2
- **Libraries/Frameworks:** Pandas, Numpy, scikit-learn, pytorch, matplotlib, Langchain, streamlit , FastAPI

ACHIEVEMENTS

- **Top 2%**Kaggle MOA Competition
- **Top 3%** Kaggle Cassava competition
- **Solo Rank 1742 / 4874 teams** American Express Default prediction Competition
- **Rank 400/3395 teams**Riid Answer Correctness Competition
- **Rank 144/1547 teams**Ranzcr clip Competition
- **AIR 3006**GATE CS 2022 Score 504

CERTIFICATIONS

- Natural Language Processing with Sequence Models DeepLearning.AI
- Natural Language Processing with Probabilistic Models DeepLearning.AI
- Python for Everybody Specialization (Coursera)