Ayush Gupta

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</> Codeforces

ABOUT

An ambitious student in his third year of Bachelor of Technology in Computer Science. I am strongly passionate about the growing future of machine learning and software development and its incorporation into society, and looking for experience in the industry.

EDUCATION

Jaypee Institute of Information Technology, Noida-62   Sep. 2021 – May 2025
Bachelor of Technology in Computer Science   (CGPA: 7.8)

- **Coursework**: Data Structures, Algorithms And Problem-Solving, Databases, Machine Learning, Digital Systems, Operating Systems And System Programming, Computer Organization And Architecture

EXPERIENCE

IIT Bhubaneswar, ML Intern   June 2023 – July 2023
Machine Learning Intern

- Developed and implemented cutting-edge Convolutional Neural Network (CNN)-based **Image classification model**.
- Specifically trained on fashion data, demonstrating proficiency in accurately categorizing various fashion wear images
- **Skills**: Python, Scikit-learn, CNN, Pandas, Numpy, AI, ML

Drivool Technologies, SDE Intern   June. 2024 – Aug. 2024
Software Developer Intern

- Developed a **Text-to-Speech API** for multiple Indic languages (Hindi, Marathi, Telugu, etc.) using TensorFlow TTS and the FastSpeech2 model, trained on an large dataset, for integration with **LLM based customer care helplines**.
- Implemented **scalable server endpoints** with Flask, enabling commercial deployment of the Text-to-Speech service on the company server to enhance customer care helpline functionalities.

Google Developer Student   Aug. 2023 – Present
Core Team Member

- In my dual role as a Core Team Member, I have contributed to both **Technical and Management** aspects of the club. On the technical front, I possess knowledge in system setups, C++, Machine Learning, and Problem-solving.

PROJECTS

Exploratory Data Analysis & Price Estimation for NSE Nifty 50   </> Github
- Financial Indicator Development, Price Estimation for NSE Nifty 50 Stock Market Data Using **Deep Learning**
- Utilizing minute-to-minute Nifty 50 data to create 7 technical indicators. Employing **LSTM Recurrent Neural Networks** for exit price, stop loss, and risk-to-reward ratio predictions in stock trading decisions.

Clickbait Detection on YouTube Using Deep Learning, Emotional Analysis, and EDA   </> Github
- Engineered 20 new features by conducting rigorous similarity analysis between comments, titles, and descriptions, coupled with emotional analysis leveraging the **DistilBERT-base-uncased model**.
- Demonstrated a formidable classification accuracy of **90.01 Percent** through the application of a Random Forest Classifier, showcasing the robustness of the developed methodology.

SKILLS

- **Programming Languages**: Python(Scikit-learn, NumPy, Pandas), C/C++, HTML/CSS, MYSQL, Mongodb, Assembly(MIPS, 8085)

- **Other Skills**: Pytorch, Tensorflow, Data Structures and Algorithms, Linux