



# 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

### Microsoft Learn Student Ambassador

Dec 2023 – Present

*Beta Ambassador*

- In my role as an MLSA, I Organized and conducted events and workshops to train developers on Microsoft technologies, with a focus on Azure Cloud, Azure Machine Learning, and Python.

### 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 TTS and the XTTS 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 EC2 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)
- **Other Skills:** Pytorch, Tensorflow, Data Structures and Algorithms, Linux, Problem Solving Skills