ANURAG UPADHYAY

Lucknow, Uttar Pradesh

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Education

Harcourt Butler Technical University   Nov. 2022 – May 2026
Bachelor of Technology in Computer Science and Engineering CGPA - 8.98   *Kanpur, UP*
Minor in Business Analytics **CGPA - 9**
Intermediate from RLB Lucknow - **96.2**%

Technical Skills

Languages: Python, C/C++, Java, HTML/CSS, JavaScript, MySQL, PostgreSQL
Developer Tools: VS Code, Google Cloud Platform, AWS cloud, Jupyter Notebook, Streamlit, Arduino
Technologies/Frameworks: Django, DRF, LLMs, Numpy, Pandas, Matplotlib, NLTK, Scikit-learn, GitHub, Docker, IoT
Relevant Cousework: Data structures and algorithm, Database Management system, Object oriented programming

Acheivements

- **AI/ML Lead** in **Google** Developer Group HBTU.
- **Reliance** Foundation Scholarship Holder among lakhs of candidate for batch 2022 - 26.
- Leetcode Max:1478 (**Leetcode Profile**), CodeChef Max: 1342 (**CodeChef Profile**),
- Ranked **366/26287** in CodeChef START155D, ranked **1091/35650** in CodeChef START156D
- Solved more than **500 questions** on Leetcode and codechef.
- **Finalist** in GL Bajaj Hackathon 3.0 among 300+ teams and 800+ members while leading the team.
- Received **Tuition Fee waiver** in our college based upon my JEE Mains rank.
- Secured **1st** place in 1st year out of 20+ teams, and **2nd** place among 50+ teams in 2nd year in our college hackathon.

Experience

Django Backend Developer   Feb 2024 - April 2024
Darpan Portal - Online Certificate Request System   *HBTU, Kanpur*
- Developed an online portal using Django and Django Rest Framework for backend API development. Implemented JWT authentication for secure access.
- Allows students to request certificates online, and faculty members can view, verify, and update the status of requests

Mentor at Reliance Foundation   July 2024 - Today
Mentor at Reliance Foundation Undergraduate Program
- Selected as a mentor for the Reliance Foundation UG, providing guidance to students through text, voice, and video calls.
- Specialized in mentoring students in Python backend and NLP, leveraging expertise to support their professional growth.

Projects

LearnWithUs - an educational platform | *(Github) (Deployment)*   June 2023 - Today
- A platform for students and job seekers with scholarships, jobs, hackathons, internships, and skill development resources.
- Chatbot powered by Llama 3, offering query resolution, data analysis, content summarization, language translation, and code generation for enhanced user support.
- Built with HTML, CSS, JS, Django, PostgreSQL, featuring Email OTP and Google OAuth authentication, with Docker integration.
- Through this platform I was able to mentor 850+ students from 5+ colleges across India.

Plagiarism Tool | *Numpy, Pandas, NLTK, Streamlit* **(Github)**   January 2024
- Engineered a plagiarism detection tool using Python modules such as NumPy, Pandas, and primarily NLTK. Deployed the application with Streamlit for seamless UI/UX.
- Implemented cosine similarity and Bag of Words models to accurately determine the similarity between sentences and AI-generated content, achieving high accuracy scores.

Automatic MCQ generation from paragraph | *NLTK, Transformers, Spacy Module* **(Github)**   June 2024
- Created an automated solution to generate multiple-choice questions from a given text paragraph. Utilized NLTK, SpaCy, and the Transformers library.
- Employed BERT WSD for wrong answer generation and T5 for question generation, ensuring accurate and contextually relevant questions.

Other projects:
- **Leetcode Roaster**, **E-commerce REST API**, **IMDB Backend REST API**