Ananya Mathur

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Education

University Of Petroleum And Energy Studies **Aug 2021 – May 2025**
B.Tech (Hons.) in Computer Science and Engineering - AI and ML Dehradun, Uttarakhand
CGPA: 8.22

Bal Bharati Public School, Rohini **Delhi**
Class XII - 86.6% March 2021
Class X - 89.2%

Technical Skills

Languages: Python, Java, SQL, Django
Developer Tools: VS Code, GitHub
Coursework: Software Development Fundamentals, DBMS, Data Structures and Algorithms, AI & ML

Experience

Camdew Ventures **Jun 2024 – Jul 2024**
Technology Intern | Python, Django, PostgreSql
- Designed a Large Language Model (LLM) using LangChain and GPT-2 to categorize multimedia posts, increasing content discovery rates by 25%.
- Developed a Q/A chatbot using GPT-4 and Django, automating customer support and reducing response times by 30%.

PwC **Feb 2024 – Jun 2024**
Intern Trainee
- Building a strong foundation in IT fundamentals, relational database management systems (RDBMS), Python programming, and data engineering to contribute to future projects.

Camdew Ventures **Jun 2023 – Jul 2023**
Technology Intern | Python, Django, PostgreSQL
- Developed Sentiment Analysis API, improving content moderation by 89% and Matchmaking API using Gale-Shapley for a 91% effective matching.
- Designed URL Scraping API to extract metadata for enhanced data-driven insights.

Jan Sharnam **Jun 2022 – Jul 2022**
Summer Intern
- Leveraged Adobe Illustrator and Adobe Photoshop software to create impactful organizational posters promoting child welfare and women empowerment initiatives, raising awareness and community engagement.

Projects

Bird Song Classification Based on Vocalisation Patterns | Python **Jan 2024 – May 2024**
- Analyzed bird vocalization patterns using ML models to achieve an accuracy of 87% in prediction from audio files.

Pharmacy Management System | Java, MySQL **Aug 2023 – Dec 2023**
- Engineered a Pharmacy Management System in Java, facilitating symptom-based medicine recommendations and streamlined order processing, enhancing operational efficiency.

Natural Language Processing | Python **Jan 2023 – Mar 2023**
- Built a Python sentiment analysis model using NLTK to analyze YouTube comments with an accuracy of 89%, providing valuable social media insights for marketing campaigns.

Positions of Responsibility

Cloud Security Alliance (CSA) **May 2024 – Present**
Additional Joint Secretary UPES
- Ignited member engagement at UPES CSA with targeted communication workshops for over 130+ members of the chapter fostering skill development and team management.

Certifications

Microsoft Certified Azure AI Engineer – Associate **Jun 2024**
Microsoft