

Ananya Yadav

LinkedIn: <http://linkedin.com/in/ananya-yadav->

GitHub: <http://github.com/ananya2707>

Email: yananya.277@gmail.com

Mobile: +91-8423168395

SKILLS

- **Languages:** C++, Python, Java
- **Frameworks:** Scikit-learn, TensorFlow, PyTorch, Amazon SageMaker
- **Tools/Platforms:** ML, NLP, Git, Linux, Google Colab, MySQL
- **Soft Skills:** Problem-Solving Skills, Adaptability, Communication, Team Work

PROJECTS

- **SAR Image Colorization for Urban Infrastructure Monitoring:** [Link](#) March 2025
Engineered a framework to automatically colorize Sentinel-1 SAR images, using segmentation and intensity-based color mapping, improving road and building visibility by 60%.
Created color-coded outputs to differentiate urban, suburban, and rural areas, providing insights into urbanization patterns.
Utilized Sentinel-1 SAR imagery to enhance SAR data interpretability for infrastructure monitoring.
Tech: Python, Computer Vision, SAR Data Analysis, Segmentation Techniques
- **Food Recommendation Model for Nutritional Balance:** [Link](#) November 2024
Leveraged NLP techniques to dissect 100 user reviews and food descriptions, categorizing cuisine preferences with 80% accuracy, informing targeted marketing campaigns, and enhancing user engagement.
Utilized NLP techniques to analyze user preferences, dietary restrictions, and food descriptions.
Optimized recommendations using clustering and ranking algorithms.
Tech: Python, NLP, TensorFlow, Unsupervised Learning
- **Carbon Nanotubes Property Prediction:** [Link](#) May 2024
Developed a regression model to estimate mechanical, electrical, and thermal properties.
Performed feature engineering and dataset preprocessing to improve model performance.
Evaluated models using MSE, RMSE, and R² score for accuracy assessment.
Tech: Python, Supervised Learning, Pandas, NumPy, Matplotlib, Seaborn

EXPERIENCE

- **Ai Traner @OutlierAi** Since November 2024
Freelancer
Project Overview: Contributed to the development and optimization of AI systems by engaging in data annotation, model evaluation, and AI training processes.
Gained hands-on experience in training AI systems, focusing on improving accuracy, efficiency, and reliability.
- **Summer Training @GeeksforGeeks** July 2024
Gained hands-on experience with data structures and algorithms through training in C++ and Java.
 - Worked with arrays, linked lists, trees, graphs, and dynamic programming.
 - Developed problem-solving skills through coding challenges.

CERTIFICATES AND CERTIFICATIONS

- Cloud Computing, NPTEL Online Certification November 2024
- Data Structure and Algorithms - Self-Paced (C++) by GFG September 2024
- ChatGPT Advanced Data Analysis by Coursera April 2024
- Build AI Apps with ChatGPT, Dall-E, and GPT-4 by Coursera April 2024

ACHIEVEMENTS

- **Secured 86% marks in NPTEL Online Certification:** [Link](#) November 2024
Ranked in the top 5% of candidates in NPTEL Cloud Computing certification.
Gained expertise in cloud architecture, virtualization, and distributed computing.
- **GeeksForGeeks:** July 2024
Solved 240+ data structure and algorithm problems on GeeksforGeeks, achieving a top 10% ranking in the contests.
- **Finance:** Currently pursuing a course on 'Fundamentals of Finance,' to enhance decision-making and analytical skills.
- **NSS Volunteer:** Conducted socio-economic surveys in rural areas as an NSS volunteer, improving data collection and analysis skills.

EDUCATION

- **Lovely Professional University** Punjab, India
Bachelor of Technology - Computer Science and Engineering; CGPA: 7.70 Since August 2022
- **St. Xavier's Sr. Sec. School** Fatehpur, Uttar Pradesh
Intermediate; Percentage: 90% April 2019 - March 2021
- **St. Xavier's High School** Fatehpur, Uttar Pradesh
Matriculation; Percentage: 93.6% April 2018 - March 2019