Akanksha Ashish Mathpati

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EDUCATION

The University of Chicago — Chicago, Illinois
Master's in applied data science — Expected, Dec 2025
Relevant course work: Big Data and Cloud Computing, Statistical Models, Linear algebra, R programming

Dr. D Y Patil's Ramrao Adik Institute of Technology — Navi Mumbai, India
Bachelor of Technology in Computer Engineering — Jun 2024
GPA: 9.99/10.00

RELEVANT PROJECTS

Data Insights Lab — Dec 2023 – Jun 2024
- Engineered a user-friendly web application facilitating seamless data analysis, including machine learning capabilities for classification and regression and clustering tasks without extensive coding knowledge.

Law GPT — Aug 2023 – Dec 2023
- Created an AI-powered web and mobile platform to simplify Indian legal information, translating legal jargon into plain language, and integrating voice assistance for improved accessibility. Leveraged natural language processing (NLP) to answer queries and improve user experience in legal consultations.

MedsXplore — Oct 2022 – Jan 2023
- Designed and built an intuitive web interface using image recognition technology to provide detailed medication information through photo uploads of pills and packaging. Improved medication identification accuracy, allowing users to access comprehensive details within seconds.

EXPERIENCE

Research Paper on Dynamic of cyberbullying — Mumbai, Maharashtra
Author — Aug 2023 – Jan 2024
14th International Conference on Cloud Computing, Data Science & Engineering (Confluence 2024),
- Published "Dynamic of cyberbullying: ML Detection Models & catalytic role of tweet engagement metrics" in the IEEE conference, indexed in Scopus, exploring machine learning models for detecting cyberbullying on Twitter.
- Applied machine learning models to analyze cyberbullying spread and its relation to engagement metrics on Twitter, achieving detection accuracy of over 88%.

Bhabha Atomic Research Centre — Mumbai, India
Project Intern — May 2023 – July 2023
- Successfully Developed a Python-based solution using Flask to automate data extraction from PDFs.
- Designed and implemented a web service that streamlines the process of extracting data and automatically fills in the details in the application.

Code Clause — India
Data Science Intern — Jan 2023 – Feb 2023
- Developed a churn prediction model for the telecom industry and conducted market basket analysis using machine learning algorithms, delivering actionable insights for business optimization.
- Successfully completed all projects within assigned deadlines, demonstrating strong technical skills and effective time management.

LEADERSHIP & ACTIVITIES

RAIT ACM Women Chapter — Navi Mumbai, Maharashtra
Founder and first Chairperson — Jan 2023 – Dec 2023
- Founded the RAIT ACM Women Chapter, part of the prestigious international Association for Computing Machinery (ACM). Conducted inspiring technical talks with established women tech leaders.

SKILLS & INTERESTS

Python, R, MySQL, Tableau, Data Analytics, Power BI, Microsoft Suite, Notion, Excellent communication, Writing, Leadership, Organization, Attention to detail, Content writing, Frontend development, Canva, Figma.