

ANJORI SARABHAI

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github.com/anjorisarabhai | anjorisarabhai-web-portfolio.lovable.app

Education

The NorthCap University (ITM), Gurugram B.Tech CSE (Data Science Specialization) CGPA: 8.67 SGPA: 9.48	2022 – 2026
Delhi Public School , Vasant Kunj, New Delhi — Class 12th (CBSE)	2020 – 2022
Delhi Public School , Gurgaon — Class 10th (CBSE)	2013 – 2020

Internships

Machine Learning Intern , Defence Research and Development Organisation (DRDO) • Engineered a full-stack Palm Vein Authentication System using Flask (Python) for backend and HTML/CSS frontend , demonstrating software development and system design. • Utilized deep learning algorithms and image processing techniques for aerial object recognition and classification. • Gained exposure to potential embedded system considerations for model deployment.	June 2025 – Present
Business Intelligence Intern , Constems-AI Systems • Developed interactive dashboards using Tableau and Power BI for enhanced business intelligence reporting. • Conducted extensive EDA and data preprocessing in Python , improving data readiness. • Worked with SQL and statistical techniques to generate insights supporting data-driven decision-making.	Dec 2024 – Feb 2025
IT Intern , RITES Ltd. • Designed and implemented a robust complaint management system in C language with optimized file handling and user I/O operations .	June 2023 – July 2023

Projects

Data-Enhanced Music Recommendation Engine • Built a hybrid music recommendation engine combining external APIs (MusicBrainz, Last.fm, Genius) and state-of-the-art Natural Language Processing (NLP) models (BERT, Word2Vec) for enhanced personalization and content understanding. • Extracted comprehensive audio features using Librosa library in Python to facilitate enriched and personalized recommendations. • Created an ETL pipeline using PySpark to collect and process metadata into MongoDB and CockroachDB , demonstrating distributed data processing.	
Address Book Manager – CLI & GUI Based Contact Management System • Developed a robust contact management system using Java Swing GUI with functionalities to view, add, update, and delete contacts, incorporating B/B+ Tree indexing and binary file storage for fast retrieval and efficient data management. • Employed object-oriented design principles and integrated comprehensive validation logic for robust record management, handling 1M+ contacts efficiently. • Demonstrated strong understanding of Data Structures and Algorithms in system implementation.	

Technical Skills

Programming Languages: C, Java, Python, SQL, R, PHP, JavaScript	
Software Engineering Concepts: Object-Oriented Programming (OOP), Data Structures & Algorithms (DSA), Operating Systems (OS) Concepts, Database Management Systems (DBMS), System Design, Web Development Fundamentals	
Machine Learning & Deep Learning: Scikit-learn, TensorFlow, Keras, PyTorch, XGBoost, CNNs, Model Evaluation, Feature Engineering, Reinforcement Learning Concepts	
Natural Language Processing (NLP): Hugging Face (Transformers), BERT, Word2Vec, LLMs, Foundation Models, Multilingual Language Understanding	
Data Analysis & Engineering: ETL, EDA, PySpark, Apache Hadoop, Apache Hive, Apache Pig, APIs, Data Cleaning, Tableau, Power BI, Image Processing	
Tools and Technologies: Flask, Pandas, NumPy, Git, Linux/UNIX environment, MLOps, AWS, MySQL, Composer, Nginx	
Full Stack Development: HTML, CSS, JavaScript, Bootstrap, React.js, Flask, WordPress, Gutenberg, FSE	

Certifications & Additional Information

• AWS Certified Cloud Practitioner	Languages Known: English, Hindi, French
• Microsoft Azure AI-900 Fundamentals	Volunteering: Social Media Team Volunteer at NSS NCU,
• Tata Data Visualisation: Empowering Business with Effective Insights Job Simulation on Forage (TCS)	Graphic Designing Head at The Puzzle Club NCU, Graphic Designing Head at The Programmers Club NCU
• DELF A1 & A2	