ARCHITA BAJPAI

Agra, Uttar Pradesh | architabajpai07@gmail.com | +917505869362 | LinkedIn | Github

PROFESSIONAL SUMMARY

Computer Science Engineering student specializing in AI/ML with hands-on experience applying machine learning and intelligent automation to improve operational efficiency and decision-making. Experienced in building end-to-end ML solutions, deploying inference APIs, and tracking performance metrics such as accuracy, F1-score, and turnaround time reduction. Interested in applying responsible AI to transform large-scale banking operations and service delivery.

TECHNICAL SKILLS

Programming Languages and frameworks: Python (NumPy, Pandas, Scikit-learn, Matplotlib, PyTorch, PyTest), C++, SQL, Flask, React, strong foundation in Object-Oriented Programming (OOPs), Natural Language Processing (NLP).
Web Technologies: HTML5, CSS3, JavaScript, React
Tools & Technologies: Git, GitHub, Jupyter Notebook, VS Code, FAST APIs, Tableau, Excel, Model Inference & Validation
Databases: MySQL, Supabase, MongoDB
MLOps/Cloud: AWS , OCI, Data Analytics, Docker, Kubernetes

PROJECTS

Multiple Disease Prediction System | Python, Machine Learning
- Built a multi-class ML model on 10k+ records, achieving F1 = 0.84 (+9% over baseline); automated predictions to reduce diagnostic turnaround time and improve workflow efficiency.

Dental Disease Prediction | Python, ML, FastAPI
- Developed a transfer-learning image classifier (F1 = 0.81, ROC–AUC tracked) and deployed a FastAPI inference service with <80 ms latency, enabling scalable real-time predictions via REST APIs.

StraySafe – AI Risk Prioritization | Python, ML
- Embedded an AI-driven risk model (ROC–AUC 0.86) into an operational workflow, automating case triage and reducing manual coordination time by ~40%.

EduSaarthi – AI Multilingual Chat Platform | Next.js, TypeScript, OpenAI API
- Built a real-time multilingual chat system with AI-driven conversations, persistent data storage, and mobile-first responsive UI, supporting scalable user adoption.

EXPERIENCE

Digital Transformation Intern | Cygnux Softtech Pvt Ltd | July 2025 - September 2025
- Analyzed operational and customer data to identify process inefficiencies and support the design of digital solutions that improved workflow efficiency and user engagement.
- Collaborated with cross-functional teams to translate business requirements into actionable digital transformation initiatives.
- Supported the implementation and adoption of new digital tools, contributing to improved turnaround times and enhanced service delivery.

Full Stack Developer Intern | Give My Certificate | April 2025 - July 2025
- Designed and developed scalable full-stack applications using React and Node.js, emphasizing clean architecture and maintainable code.
- Built and integrated RESTful APIs, optimized application workflows, and improved system performance and usability.
- Worked closely with product and technical stakeholders to deliver features aligned with business and operational needs, following iterative development practices.

EDUCATION

Bachelor of Technology - Computer Science & Engineering
VIT Bhopal University | 8.91 CGPA | 2023 - 2027
Specialization: Artificial Intelligence & Machine Learning
Air Force School, Agra | CBSE Board
NCC 'A' Certificate Holder
Class XII- 77.6% | 2022
Class X- 92.8% | 2020

ACHIEVEMENTS & CERTIFICATIONS

- Top 8% finalist (Top 50/600+) at CodeVerse hackathon (VIT Bhopal) | July 2025.
- Finalist, Serve-Smart Hackathon (IIT BHU) | January 2025.
- Data Science Club – Quiz Winner (VIT Bhopal) | 2024
- OCI Certified Generative AI Professional | Oracle | 2025
- Applied Machine Learning in Python | Coursera | 2025
- OCI Certified Data Science Professional | Oracle | 2025
- Cloud Computing | NPTEL (IIT Kharagpur) | 2025
- Machine Learning Fundamentals | Coursera | 2024