Lakshya Tekwani

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Professional Summary

Aspiring AI Engineer and Software Developer with expertise in machine learning, data analytics, and cross-platform mobile development. Proficient in Python, Java, Flutter, and modern full-stack frameworks. Demonstrated ability to build scalable AI-driven applications with strong foundations in OOP principles, data structures, and algorithms. Seeking opportunities to leverage AI/ML skills and software engineering capabilities in innovative technology solutions.

Education

Vivekananda Institute of Professional Studies (GGSIPU) — Delhi, India
Bachelor of Technology in Artificial Intelligence & Data Science — *2022 – 2026*

DAV Public School, Sreshtha Vihar — Delhi, India
Class XII (CBSE) - Science Stream: 93.2% | Class X (CBSE): 94% — *2020 – 2022*

Technical Skills

Programming Languages: Python, Java, JavaScript, Dart, C, SQL, HTML/CSS
AI/ML & Data Science: Machine Learning, Data Analysis, NumPy, Pandas, Scikit-learn, Matplotlib, Deep Learning
Frameworks & Libraries: Flutter, React, Next.js, React Native, TailwindCSS, Node.js
Databases & Backend: PostgreSQL, MongoDB, MySQL, Supabase, RESTful APIs
Developer Tools: Git, VS Code, Power BI, Tableau, Excel, Jupyter Notebook, Google Colab
Core Competencies: Object-Oriented Programming, Data Structures, Algorithms, Full-Stack Development

Professional Experience

Flutter App Development Intern — June 2024 – August 2024
National Informatics Centre (NIC), Ministry of Women & Child Development — *New Delhi, India*
- Engineered cross-platform mobile application for Mission Vatsalya serving 10,000+ stakeholders and general public users, implementing secure authentication and real-time data synchronization using Flutter and Dart
- Developed complex form workflows with multi-step validation and state management, reducing data entry errors by 35% and improving user experience for government officials
- Collaborated with cross-functional government teams to ensure compliance with national data security standards and successfully deployed application meeting accessibility guidelines

Projects

Mangalam Vastu Admin Portal | *Next.js, Supabase, PostgreSQL, Flutter* — 2025
- Architected full-stack web application enabling certificate creation and verification for gemstones and spiritual products, processing 500+ certificates with 99.9% uptime
- Implemented secure authentication system and role-based access control using Supabase, reducing unauthorized access attempts by 100%
- Built responsive admin dashboard with Next.js and integrated PostgreSQL database for efficient CRUD operations and real-time data management

CognitoQuotient - AI Cognitive Profiling System | *Python, Machine Learning, Flask, React* — 2024
- Developed AI-powered cognitive assessment application analyzing user behavioral patterns using supervised learning algorithms and natural language processing techniques
- Created interactive dashboard visualizing psychological insights with 85% prediction accuracy, helping users understand cognitive patterns and decision-making processes
- Deployed scalable REST API using Flask and integrated React frontend, serving personalized recommendations to 200+ beta users

AR/VR Interactive Simulation | *Unity, C#, Mixed Reality Toolkit* — July 2024
- Designed and developed immersive 3D simulation for educational purposes during IIIT Delhi summer training, implementing spatial mapping and gesture recognition
- Mastered XR development fundamentals including shader programming, physics simulation, and performance optimization for mobile AR platforms

Certifications

Data Analysis with R Programming – Google (Coursera)   Dec 2024
Ask Questions to Make Data-Driven Decisions – Google (Coursera)   Oct 2024
Augmented Reality and Virtual Reality – IIIT Delhi   Jul 2024
Foundations: Data, Data Everywhere – Google (Coursera)   Aug 2023

Additional Information

Languages: English (Fluent), Hindi (Native), French (Beginner)
Soft Skills: Problem-Solving, Team Collaboration, Agile Methodologies, Technical Communication, Adaptability