Ankit

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EDUCATION

VIT Bhopal University, Bhopal   2022 – 2027
Integrated M.Tech - Computer Science with Ai   Bhopal, MP

PROFESSIONAL EXPERIENCE

Eko Hand   Jan. 2025 – Apr. 2025
E-commerce (Startup)   Remote
- Built an **e-commerce platform** using **Next.js, MongoDB, Node.js, and Express**.
- Promotes **tribal handloom, art products, and women empowerment** in Odisha.
- Integrated **Cashfree Payments** for secure transactions.
- Provides a **scalable marketplace** connecting artisans with buyers.

PROJECTS UNDERTAKEN

GeneCare – Genetic Risk Prediction App
- Engineered an ML-based mobile app that predicts genetic IBD risk with an impressive 85% prediction accuracy.
- Enhanced overall user engagement by 25% through interactive insights, daily reports, and genetic data visualization tools.
- Implemented core functionalities using Java, Python, Firebase, and Android Studio with integrated local and cloud storage support.

NeuroMan – Early Neurodiagnosis Platform
- Developed an ML-powered diagnosis system that lowered neurodegenerative disease misdiagnosis rates by approximately 15%.
- Trained the model using over 1,000 anonymized patient records with efficient feature extraction and data preprocessing techniques.
- Utilized Python, Flask, and MongoDB to build a scalable API-backed system with real-time prediction capabilities.

Parko – Smart Parking Solution
- Created an AI-enabled parking platform that reduced vehicle search time by nearly 40% in busy city environments.
- Enabled secure digital entry via QR code scanning with seamless integration of UPI and Razorpay for payments.
- Built using React Native, Node.js, and Firebase to ensure cross-platform compatibility and real-time slot availability updates.

DAMS – Digital Academia Management System
- Built a web system serving 50+ MP government schools, managing attendance, leave tracking, and mid-day meal reporting.
- Improved school data operations by 60% using optimized queries, indexing, and data normalization on MongoDB.
- Constructed using Next.js, Node.js, and Express.js, supporting role-based access and real-time data synchronization.

Quick Entry – Campus Entry Automation
- Developed a web solution to automate entry at college events, handling over 2,500 student records securely.
- Reduced manual entry operations by 70% with QR scanning and instant ID-based digital log generation.
- Used Next.js, Tailwind CSS, and Firebase to create a responsive, mobile-friendly user experience with offline support.

Cure Connect – Doctor Booking System
- Designed a doctor-patient scheduling app that managed 500+ appointments per month with automated notifications.
- Integrated Google Calendar sync, SMS alerts, and MongoDB for seamless multi-platform appointment management.
- Implemented using Next.js, Node.js, and Firebase Cloud Messaging for real-time communication and user updates.

SKILLS

- **Development:** Python, Java, C/C++ (Arduino), Flask, Express.js, Node.js, React.js, Next.js, HTML, CSS, Tailwind CSS
- **UI:** Figma, Canva
- **Databases:** MongoDB, MySQL
- **Machine Learning:** Scikit-learn, Pandas, NumPy
- **DevOps and Tools:** Git, GitLab CI/CD, Docker

Extra-Curricular Activities

President, Mozilla Firefox Club, VIT Bhopal   2024 – Present

Managed a 50-member team, increasing club engagement by 40% through interactive events.

Main Co-ordinator, Industry Conclave, VIT Bhopal University   Aug 2024

Anchored the valedictory session and coordinated speaker engagements during the Industry Conclave 2024.

SIH 24 VIT Bhopal Internal Hackathon Finalist   2024

Advanced to the final stage of the Smart India Hackathon 2024 Internal Round by developing innovative solutions for real-world problems.

Health Hackathon - Conducted by VIT Bhopal & John Hopkins   2025

Collaborated in a health-focused hackathon to develop a prototype aimed at improving healthcare solutions using emerging technologies.

SolVIT Hackathon - Cleared Rounds 1, 2, and Participated in Round 3   2025

Successfully cleared Rounds 1 and 2 of the SolVIT Hackathon and advanced to Round 3 with a full-stack web application.