Bakshi Vaishvik

Bachelor of Engineering
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EDUCATION

·**Bachelor of Engineering in Computer Science and Engineering**   *2023-27*
 Vasavi College of Engineering, Hyderabad   CGPA: 8.98

PERSONAL PROJECTS

GeoAttend: Geolocation-Based Attendance Tracking with Face Recognition
- Developed a geolocation-based attendance tracking app with facial recognition to mitigate fraud and streamline management.
- Fraud Prevention & Accuracy – Uses geolocation and facial recognition to prevent proxy attendance and ensure precise records.
- Scalability & Efficiency – Handles peak attendance smoothly while maintaining real-time data synchronization & security. Technologies Used: Apache Cordova, Python, Flask, DeepFace, SQLite, AWS EC2, HTML, CSS, JS.

EduSphere: AI-Powered Learning & Roadmap Generation
- Developed an all-in-one educational platform that generates quizzes, analyzes performance, creates personalized learning roadmaps, and offers AI-powered learning tools like a 3D AR tutor and an AI video generator (EduFlick).
- Personalized Learning – Converts question-answer inputs into quizzes and generates customized roadmaps.
- AI-Powered Tutoring – Provides interactive 3D tutors and AI-generated educational videos for deeper learning. Technologies Used: Flask, Unsplash API, Beautiful Soup, Gemini AI, MoviePy, Kokoro (TTS).

AgriDetect: AI-Powered Crop Management & Disease Detection
- Developed an agricultural platform that helps farmers detect plant diseases, optimize crop selection, and connect with distributors through a digital marketplace.
- AI-Powered Disease Detection – Analyzes uploaded plant images to identify diseases with confidence scores and provides treatment solutions.
- Smart Crop Recommendations – Uses soil data (N, P, K, pH) and weather conditions to suggest the best crops with success probabilities.
- Digital Marketplace – Farmers list crops for sale, and distributors send purchase requests, streamlining agricultural trade.
- Disease Outbreak Tracking – Geolocation-based alerts and interactive maps to monitor nearby disease risks. Technologies Used: Flask, Tailwind CSS, Leaflet.js (maps), Geolocation API, Weather API, Machine Learning (for disease detection & crop recommendations).

ACHIEVEMENTS

1. **National Hackathon** : - Won 2nd prize at InnovAsia 2K24 (National Level) as Team Leader

2. **National Hackathon**:- Finished top 10 at TechXcelerate Hackathon at BITS Hyderabad in 2025 in AI category(team lead)

3. **Coding Excellence**: - Rank 22 in Bellman-Crown Coding Contest 2023 and Gold Badge in HackerRank (C & Python)

TECHNICAL SKILLS

Languages: Python,java, JavaScript, Dart, C/C++
Mobile: Flutter (Cross-platform)
Web: React, Flask, Node.js, HTML/CSS
Cloud/Databases: AWS, google console , vertex ,Firebase, MongoDB, SQL
AI/ML: TensorFlow, Computer Vision, NLP
Tools: Git, VS Code, Android Studio, API integrations

INTERESTS

AI/ML Applications , Mobile & Web Development, Cloud Computing, Computer Vision, Block Chain

SOFT SKILLS

Problem Solving | Agile Development | UI/UX Design