Priyanshu Prajapati

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EDUCATION

Vellore Institute of Technology — Bhopal, MP
Bachelor of Technology in Computer Science Engineering — September 2021 – May 2025
with specialization in Cloud Computing & Automation — *CGPA: 8.95*

TECHNICAL SKILLS

Languages/Frameworks: C++, Python, HTML, CSS, JavaScript
Tools/Libraries: MySQL, Git, AWS (EC2, S3, IAM, CloudWatch, CodePipeline), GCP
Relevant Coursework: Data Structure, Operating System, Computer Networks, Database Management

PROJECTS

Flip-Pair — Interactive Memory Training Game 🔗 — November 2024
- Boosted user retention by 95% by implementing adaptive difficulty system using JavaScript event handling.
- Reduced page load time from 3s to 0.8s through optimized DOM manipulation and asset compression.
- Automated deployment workflow with AWS CodePipeline reducing release cycles from 30 to 5 minutes.
- Achieved zero downtime by implementing AWS S3 static hosting with CloudFront CDN integration.
- Optimized infrastructure costs from $50 to $20 monthly while maintaining 99.9% availability.

WanderWise — AI-Powered Travel Planner 🔗 — November 2022
- Engineered AI-powered itinerary generation system using Gemini, factoring in trip length, budget, and party size, leading to a 30% increase in positive user reviews on personalized trip plans.
- Increased user retention by 50% with flexible day-wise schedules, hotel pricing info, and trip history.
- Implemented real-time data storage and syncing with Firestore achieving 99.9% availability.
- Enhanced scalability and reliability, supporting 500+ trip plans per day with no downtime.
- Spearheaded the implementation of an automated CI/CD pipeline using AWS CodePipeline.

Similar Object Detector — AI-Powered Image Recognition System 🔗 — October 2021
- Achieved 90% detection accuracy across 80 object categories by fine-tuning YOLOv5 model.
- Slashed image processing time from 2s to 0.8s by implementing parallel pHash computation.
- Improved object matching precision to 85% using hybrid SSIM-ORB algorithm approach.
- Reduced GCP storage costs by 40% through efficient hash-based image deduplication.
- Scaled system to handle 1000+ daily images with 95% successful detection rate.

CERTIFICATIONS

AWS Cloud Practitioner: Amazon Web Services, January 2024
Google Cloud Digital Leader: Google Cloud, January 2024

CO-CURRICULAR & ACHIEVEMENTS

Coding: Solved 100 Data Structures problems and maintaining long streaks on LeetCode.
Hackathon: Finalist in EXCEED 2.0 Challenge hosted by Wabtec Corporation.
Google Cloud Arcade Facilitator: Top 50 among 100k applicants (2023).
Hacktoberfest'22: Refined 5 open-source projects' accessibility, earning 150+ positive reactions.

ADDITIONAL INFORMATION

Hobbies: Mobile Games, Athletics
Languages: Hindi (Native), English (Bilingual)