

Priyanshu Prajapati

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EDUCATION

Vellore Institute of Technology

Bachelor of Technology in Computer Science Engineering
with specialization in Cloud Computing & Automation

Bhopal, MP

September 2021 – May 2025

CGPA: 8.89

TECHNICAL SKILLS

Languages/Frameworks: C++, Dart, Python, HTML, CSS, JavaScript

Tools/Libraries: Flutter, YOLOv5, MySQL, AWS (EC2, S3, CloudWatch, CodePipeline), GCP

Relevant Coursework: Data Structures, 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

MyBuddy — Smart Student Productivity Suite

November 2022

- Increased daily active users by 45% by developing real-time task scheduling with push notifications
- Processed 10,000+ monthly transactions with 99.9% accuracy using SQLite local database
- Enhanced user experience by implementing 4 custom grade calculation algorithms with 98% accuracy
- Secured user data with Firebase Auth and encryption achieving zero security breaches in 6 months
- Reduced eye strain complaints by 75% through implementation of system-aware theme switching

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: Proficiently solved over 100 questions across various difficulty levels 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: Participant in Hacktoberfest, contributed to open source projects..

ADDITIONAL INFORMATION

Hobbies: Mobile Games, Athletics

Languages: Hindi (Native), English (Bilingual)