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KRISNA VJ

Computer Science Undergraduate

Final-year Computer Science student with a strong foundation in various programming languages and a keen interest in software development. I have hands-on experience with full stack development and have contributed to several projects throughout my academic years. Passionate about emerging technologies to solve real-world problems, I strive for excellence in every project

TECHNICAL PROFICIENCY

- **Programming Languages:** Java, Python(intermediate), C, JavaScript
- **Web Dev:** React, Express, Node, Tailwind, SASS, MaterialUI, FramerMotion
- **Databases & ORM:** MongoDB, PostgreSQL, Prisma
- **Tools:** Git, Postman, RabbitMQ, Firebase

PROJECTS

Chat-app

Jul 2025 - Present

TECH STACK: ReactJS, PostgreSQL, Prisma, NodeJS, Socket.IO

ARCHITECTURE: MVC

- A Web Based Chat Application - **Talkify**
- Developed a real-time chat app using PostgreSQL as DB, Prisma ORM, and Socket.IO supporting group chats + file sharing.
- Reduced API latency by 30% by optimizing WebSocket connections.

Social-Media Microservices

Jun 2025 - Jul 2025

TECH STACK: RabbitMQ, Redis, NodeJS, MongoDB, Express

ARCHITECTURE: Microservices, Rate-Limiting, API-Gateway

- Built 4 decoupled services (Auth, Media Upload, Search) using Node.js and Express.
- Implemented **RabbitMQ** for async event-driven communication (e.g., notifying users of media uploaded for posting them).
- Designed an API Gateway to route requests to backend services, handling **load balancing** and **rate limiting** using **Redis** to prevent abuse/DDoS.

Gesture based Music Application

Jan 2025 - Apr 2025

TECH STACK: Flutter, Riverpod, FastAPI, Deepface, Mediapipe

ARCHITECTURE: Modular MVC, Edge Inference, External API Integration (SpotifyAPI)

- Developed a gesture and emotion-driven music player, our **Harmonix**, that gives users a touch-free and mood-aware listening experience.
- The system uses **DeepFace** to detect emotions (happy, sad, neutral) in real time, and **MediaPipe** for recognizing hand gestures (play, pause, skip, previous).

ACHIEVEMENTS

Hackathon Winner @BYTE-BASH

Feb 2025

- Secured First place among 100+ teams in inter-college hackathon, conducted by **BNY**
- Developed an adaptive learning platform using **Llama-3.2 & adaptive difficulty algorithm**

Top 0.4% (Round 3) @Flipkart-GRid 6.0

Aug 2024 - Nov 2024

- Advanced to the prototype submission round among **19K teams**
- Trained ML model **YOLOv8** for Freshness Detection and a **PaddleOCR** for text extraction.

POSITIONS OF RESPONSIBILITY

Director of Logistics @ACM - Student Chapter of CEG

May 2025 - Present

- Managed event logistics like venue booking, permissions, resource setup & registrations.

Event Organizer @Student Association & Arts Society

Jan 2025 - Present

- Collaborated with clubs & departments for organizing our intercollege cultural fest.

EDUCATION

B.E CSE - (CGPA: 8.83 / 10)

CEG, Anna University

10/2022 - Present

HSC - (Percentage - 98.6%)

SRKV MHSS, Tamil Nadu

04/2021 - 05/2022

CODING PROFILES

LeetCode

- Solved 400+ problems
- Max Streak - 102 days

HackerRank

- Solved 50+ Problems
- Attended college contests

CERTIFICATIONS

COURSERA

Business Analytics using Excel
Ongoing

UDEMY

Data Structures using JAVA
Issued in AUG 2024

COURSERA

Building Website using WordPress
Issued in APR 2024

SKILLS

- Problem Solving
- Research & Analysis
- Documentation
- Collaboration
- Time Management

INTERESTS

- Tech talks
- Hackathons
- Projects
- Notion
- Pop Culture