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SUMMARY

Innovative Full-Stack Developer & AI/ML Engineer with expertise in building intelligent web applications and advanced AI systems (LLMs, Computer Vision). Proven ability to develop, deploy, and automate cutting-edge software solutions.

EXPERIENCE

College Connect-Full Stack Developer

Purple Technologies

January 2025 - March 2025, Andra Pradesh

- Developed a **comprehensive full-stack web application** using Node.js with Express.js to facilitate college event and club management for students and administrators.
- **Engineered RESTful API endpoints** for managing CRUD (Create, Read, Update, Delete) operations for events, clubs, user registration, and sign-in.
- **Designed and managed MongoDB NoSQL database schema** to store user profiles, event details, club information, and manage user memberships.
- Deployed the multi-service application across **Vercel** and **Render**, showcasing CI/CD practices.

PROJECT

E-commerce Website

Hashconnect · May 2025 - May 2025

- Developed a **scalable e-commerce platform** for selling T-shirts, featuring comprehensive **user authentication (JWT, OTP, Google OAuth)**, robust product management, and a seamless cart-to-checkout workflow.
- **Database Management:** Designed and managed **MongoDB Atlas** for data storage and retrieval.
- **Admin Panel:** Enabled full CRUD operations for products (with variants) and comprehensive order viewing/status tracking.

Captain LLM

VIT-AP · April 2025 - April 2025

- Developed a **hands-free, local AI assistant utilizing open-source LLMs and Langchain**, this allows the user to use it without touch.
- This system features **wake word detection** and **Whisper-based audio transcription** to enable voice-controlled automation of desktop applications and tasks.
- Developed an **end-to-end command processing pipeline** from voice input to automated execution.

MediHelp

NRIIT · December 2024 - December 2024

- **Intelligent Image Analysis:** Implemented **YOLO-based object detection** and **OpenCV** to automatically identify, highlight, and process key elements within uploaded images or even in real-time.
- **Robust Text Extraction:** Developed capabilities to accurately **extract textual information from images**, followed by **Regex-based cleaning** for data standardization.
- **AI-Powered Chatbot Integration:** Leveraged the **Google Gemini API** to create a conversational chatbot and integrated with **MongoDB** for secure data storage.

Disaster Management System

VIT-AP · August 2024 - November 2024

- Designed and built a **cloud-controlled 4-wheel chassis** for remote area surveillance and motion detection in disaster scenarios. This project leverages **Google Firebase** for real-time data synchronization and a web-based interface for dynamic command execution.
- **Implemented robust communication protocols** between the web interface, ESP32 (for Wi-Fi connectivity), and Arduino Uno (for motor control).
- **Automated video recording initiation** upon detection of specified objects or faces, significantly enhancing surveillance efficiency in critical areas.

EDUCATION

Bachelors CSE-Core

VIT-AP University · amaravati · 2027 · 8.82 CGPA

- Top 20% in the branch

12 PCMCE

Vydehi School of Excellence · bengaluru · 2023 · 85.6%

- Awarded the Gold for accolades in the Model United Nations conference.

CERTIFICATIONS

Cloud Computing

BlackBucks · 2025

- Gained practical experience with **AWS EC2** and **S3 buckets** by deploying a static portfolio website
- Applied **Docker** for containerization in a Java application, demonstrating understanding of **SaaS, IaaS, and PaaS** models and their real-world applications.

TechNov Certification

VIT-AP · 2024

- Secured a top-3 finish among **over 100 competing teams** in a 24-hour hackathon.
- **Received an Internship Offer** from Purple Technologies.

Google Developer Groups

VIT-AP · 2024

- Got selected into the Web and App development track
- Worked in opensource contribution for the website creation

SKILLS

Programming Languages: Python, C, C++, Java, JavaScript

AI & Machine Learning: Large Language Models (LLMs), LangChain, Whisper, YOLO, OpenCV, Computer Vision, Neural Networks

Web Development: Node.js, Express.js, Hono, React.js, HTML, CSS, RESTful APIs, JWT Authentication, OAuth2 Authentication

Databases: MongoDB, Mongoose, Firebase, MySQL, PostgreSQL

Tools: Git, Vercel, Render, Infinityfree
