

V. AJAY CHANDRA

Full-Stack Web Developer

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Summary

Full-stack developer with hands-on experience delivering production-ready applications and cloud-native deployments. Skilled in translating requirements into scalable systems with clean architecture and optimized performance.

Education

Bachelor of Computer Applications, GITAM University 2022 – 2025

Experience

Full Stack Developer May – Jul 2025
Andhra Pradesh Agriculture Marketing Dept.

- Designed and developed an end-to-end receipts management system used across multiple district committees.
- Designed the database schema and implemented secure authentication with HTTP cookies and JWT.
- Built role-based and committee-based access control enforced at frontend, backend, and database levels.
- Ensured real-time analytics by updating all reporting tables within single database transactions on receipt CRUD operations.
- Optimized high-traffic endpoints with Redis caching and deployed on AWS EC2 for reliable performance.
- Integrated backend APIs with React frontend using custom hooks for smooth, secure data flow.

Frontend Developer Intern Feb – Apr 2025
BIGBABS LLC

- Refactored a React codebase, reducing bundle size and improving maintainability.
- Delivered reusable components aligned with the company's design system.

Data Science Intern Jun – Nov 2023
Skill Vertex

- Built a heart disease prediction model with Python & scikit-learn.
- Presented findings using pandas and matplotlib to guide model tuning.

Skills

- **Frontend:** React, Next.js, Tailwind CSS, TypeScript
- **Backend:** Node.js, Python, Express
- **Databases:** PostgreSQL, Prisma, MongoDB, Redis
- **DevOps:** Docker, AWS, GCP, GitHub Actions

Projects

ACM Receipts Management System Live Demo | [GitHub](#)
• See details under Full Stack Developer role — I designed and built the backend architecture, real-time analytics, and full-stack integration.

Cloud IDE Live Demo | [GitHub](#)
• Built a browser-based IDE with real-time code execution via WebSockets.
• Deployed containerized services on Google Kubernetes Engine with Docker orchestration.
• **Stack:** React, Node.js, Express, WebSockets, Kubernetes, Monaco Editor, xTerm.js, GCP

Virtual Try-On Platform
• Implemented virtual try-on for apparel using VTON-HD pipeline with OpenPose & CIHP preprocessing.
• Delivered advanced image processing with OpenCV, RemBG, and Flask APIs.
• **Stack:** Flask, Python, Docker, OpenPose, OpenCV, RemBG

Certifications

- Full Stack Web Development- 100xdevs
- Machine Learning and Data Science Using Python- Coursera
- The Bits and bytes of computer networking- Coursera