

# AKSHAY VEMULA

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## CAREER OBJECTIVE

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Passionate and detail-oriented web developer eager to contribute to building innovative, user-friendly, and scalable web applications while growing in a collaborative and forward-thinking environment. Strongly motivated to learn emerging technologies, take on challenging projects, and deliver solutions that create meaningful impact for both users and organizations.

## TECHNICAL SKILLS

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**Programming Languages:** C++, HTML, CSS, JavaScript, Python

**Database:** MongoDB, PostgreSQL

**Frameworks:** Tailwind, React.js, Node.js, Express.js

**Tools:** Git & Github, VSCode, Redux, AWS(EC2,S3,Lambda), Vercel

**Personal skills:** Effective Communication skills, Problem-Solving Ability, Adaptability & Leadership

### Certifications & Training:

- Web Development by UDEMY
- Python Programming by UDEMY
- C++ Programming by UDEMY
- Cyber Security by CISCO
- GenAI Powered Data Analytics by TATA Forage

## PROJECTS

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### CROWDFUNDING PLATFORM

Reactjs, Nodejs, Expressjs, MongoDB

- Developed a decentralized platform for transparent and tamper-proof fundraising.
- Improved funding security with encrypted authentication and smart contract automation.
- Learned Blockchain integration, real-time tracking, and secure web architecture.

### AI SAAS APPLICATION

PostgreSQL, Expressjs, Reactjs, Nodejs

- Built and deployed a full-stack SAAS platform with secure authentication (Clerk), subscription billing, and a serverless PostgreSQL database for scalability and cost efficiency.
- Implemented AI-powered tools(Article&Blog Title Generator,Background & Object Removers,Resume Analyzer) by integrating Google Gemini and OpenAI APIs,enabling automated content generation and image editing.
- Optimized workflows to reduce processing time by 40%, supported 100+ users during testing and ensured a production-ready, scalable, high-availability deployment.

## EDUCATION

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### JYOTHISHMATHI INSTITUTE OF TECHNOLOGY & SCIENCE

B.TECH, CSE(AIML)

Cumulative GPA: 6.70

Karimnagar

2021- 2025

### ALPHORES JUNIOR COLLEGE

Cumulative GPA: 7.42

Karimnagar

2019-2021

### KERALA ENGLISH MEDIUM HIGH SCHOOL

Cumulative GPA: 9.2

Dharmapuri

2018-2019

## ACHIEVEMENTS

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- Published a research paper titled “Monkeypox Diagnosis” in the International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE), Volume 13, Issue 6.
- Participated in many Group Discussions, JAMs and won the competitions
- Participated in HPCL Power Lab by UNSTOP