

Vedavyas Viswanatham

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Summary

- Versatile **Software Developer** skilled in **frontend, backend, blockchain, and AI/ML** development, with experience designing and deploying scalable applications. Passionate about optimizing performance and user experience.
- Proficient in **React, TypeScript, Next.js, FastAPI, and Node.js**, with a strong background in **API development, system architecture, and microservices**. Experienced in **Docker, Kubernetes, and AWS cloud services**.
- Developed AI-powered applications using **NLP, OCR, chatbots**, and integrated LLMs for automation and analytics. Also experienced in **blockchain development** using Solidity and Web3.js.

Education

RGUKT Nuzvid Sep 2021 – Apr 2025
Bachelor of Technology in Computer Science (GPA: 7.5 / 10) Nuzvid, Andhra Pradesh

- **Relevant Coursework:** Data Structures and Algorithms (Python), Data science (Python), Ai - ML (Python), Computer Vision (Python)

Experience

Parabola9 Dec 2024 – Present
Software Engineer Intern Nuzvid, Andhra Pradesh

- Developed interactive and scalable user interfaces using **React, TypeScript, and Next.js**, enhancing page load speed by 30% and improving user engagement.
- Optimized API integration and state management, reducing API response time by 25% and increasing data consistency.
- Implemented Agile methodologies with **Jira Workflow**, improving team efficiency and accelerating project delivery.

Projects

Certifier | *Web3.js, Solidity, React.js, Next.js*

- Developed a blockchain-based platform that converts certificates into NFTs, ensuring authenticity and tamper-proof verification.
- Implemented smart contracts using Solidity to facilitate secure and decentralized certificate issuance.
- Integrated Web3.js for seamless blockchain interactions, enhancing the user experience in certificate verification.

DocChat | *FastAPI, Python, Gemini 1.5 Flash, spaCy, PDFMiner, EasyOCR, Selenium, BeautifulSoup*

- Built an AI-powered chatbot that summarizes research documents (PDFs & images) and answers general queries.
- Implemented NLP techniques using spaCy and PDFMiner for text extraction and processing, improving summarization accuracy.
- Integrated EasyOCR for image-based text extraction and Selenium for web scraping, enabling broader document support.

OptiCode | *React.js, Next.js, TypeScript, FastAPI, Python, Gemini 1.5 Flash*

- Developed a code analysis tool that detects and corrects errors across multiple programming languages.
- Integrated Gemini 1.5 Flash to provide AI-driven bug detection and code optimization suggestions.
- Designed an intuitive frontend with React.js and Next.js, enabling seamless code submission and real-time feedback.

Technical Skills

Languages: Python, TypeScript, Solidity, JavaScript, SQL

Technologies: React.js, Node.js, Web3.js, Next.js, FastAPI, Tailwind CSS, Jupyter Notebook, OAuth, Docker, Kubernetes, AWS

Concepts: Operating Systems, Computer Networks, Blockchain, Large Language Models, Artificial Intelligence, Machine Learning, Neural Networks, API Development, Agile Methodology, Cloud Computing