

Jagadeesh Potupureddy

Visakhapatnam

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Profile

Aspiring software engineer pursuing a B.Tech in Computer Science, with strong programming fundamentals and experience in developing scalable systems with AI/ML integrations. Proficient in Python, with exposure to web technologies, cloud infrastructure, and collaborative development. Eager to contribute to Walmart's technology ecosystem, building software that enhances customer and associate experiences through agile development and innovation.

Education

B.Tech in Computer Science (Specialization in Cybersecurity)

2023 – 2027 (Expected)

Example University, Visakhapatnam

12th Grade

2021 – 2023

Narayana Junior College, Visakhapatnam

10th Grade

Completed 2021

Ravindra Bharathi School, Visakhapatnam

Experience

Technical Lead

Remote

CHITTI

September 2024 – Present

- Led development of a scalable student platform using Python and web technologies, managing iterative product improvements.
- Collaborated with a team to design and implement features, incorporating feedback through agile-like processes.
- Gained experience in writing production-ready code, conducting code reviews, and learning new systems and languages.

Executive Client Relationship

Remote

SUG Creative

September 2024 – Present

- Managed relationships with clients, proactively seeking feedback to improve services and achieve satisfaction.
- Collaborated cross-functionally to implement improvements, enhancing retention through data-driven decisions.
- Communicated project status clearly, fostering trust in multi-stakeholder environments.

Web Designer and Developer

Remote

Young Compete

May 2024 – Dec 2024

- Developed and optimized web applications using Python scripting and data analysis, improving performance and user experience.
- Worked on iterative development, incorporating feedback to boost engagement and functionality.
- Recognized for contributions, demonstrating ability to learn and adapt in new codebases and technologies.

Cybersecurity Intern

Remote

Intrainz

March 2024 – May 2024

- Participated in a multi-person internship, learning to navigate and manage work in new systems through collaboration.
- Developed Python scripts for automation, applying feedback from peers to improve code quality.
- Gained experience in evaluating and receiving feedback, contributing to secure development environments.

Projects

AI Model Training Prototype

- Developed a prototype for training large language models using PyTorch and FSDP, focusing on efficient code and optimization.
- Implemented model tuning with LoRA and RL, writing high-quality code with good test coverage to minimize defects.
- Utilized Docker and Kubernetes for deployment, learning to navigate new codebases and technologies in cloud environments.

Decentralized Voting System

- Built a scalable blockchain-based voting system using Solidity, Ganache, and MongoDB, implementing smart contracts.
- Developed user dashboards and integrated hardware for authentication, demonstrating system design and reliability.
- Collaborated on design discussions and code reviews to refine the project, achieving a functional prototype.

Skills

Programming Languages: Python, C, JavaScript, Java (Basics), C++ (Basics)

Technologies: Linux, Git, Docker, Kubernetes, AWS, Azure, PyTorch, Solidity, MongoDB, Ganache

Software Engineering Skills: Data Structures, Algorithms, System Design, Agile Development

Soft Skills: Collaboration, Feedback Incorporation, Problem Solving, Clear Communication

Experience with: Code Reviews, Pull Requests, Multi-Person Projects, Learning New Systems

Certifications

- Introduction to Cybersecurity - Cisco [\[View Certificate\]](#)
- LFC108: Cybersecurity Essentials - The Linux Foundation [\[View Certificate\]](#)
- Cybersecurity Fundamentals - IBM [\[View Certificate\]](#)

Achievements

- 1st Runner-Up – Technovate (India Student Conclave by Times of India) winning 40,000 prize money
- Achieved 2nd place in a coding competition, earning 5,000 prize money for a secure transaction system
- Recognized as Top Performer of 2024 at Young Compete for outstanding contributions to web development