Jagadeesh Potupureddy

✉ jagadeeshpotupureddy@gmail.com 📞 8688212827 in jagadeesh-potupureddy ⌨ deadhearth01

Profile

Aspiring computer science researcher pursuing a B.Tech in Computer Science with a specialization in Cybersecurity. Demonstrated strong analytical ability and passion for innovation through projects in AI model training, blockchain systems, and data analysis. Eager to contribute to cutting-edge research at Microsoft M365 Research, collaborating with mentors, presenting findings, and pushing the frontiers of computer science and technology.

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 student-focused platform, applying analytical skills to user data and iterative improvements.
- Collaborated with a team to design features, incorporating feedback and research-driven enhancements for functionality.
- Gained experience in presenting work to stakeholders and contributing to a collaborative research-like environment.

Executive Client Relationship   *Remote*
SUG Creative   *September 2024 – Present*

- Managed client relationships, analyzing feedback data to drive improvements and achieve high satisfaction.
- Collaborated cross-functionally, implementing data-informed strategies for retention and transparency.
- Communicated analytical insights effectively, fostering collaboration in multi-stakeholder settings.

Web Designer and Developer   *Remote*
Young Compete   *May 2024 – Dec 2024*

- Developed applications using Python and data analysis, optimizing performance through research and iteration.
- Incorporated user feedback and analytics to enhance engagement, demonstrating adaptability in technical projects.
- Recognized for contributions, showcasing ability to learn new technologies and apply analytical thinking.

Cybersecurity Intern   *Remote*
Intrainz   *March 2024 – May 2024*

- Participated in vulnerability assessments, applying analytical skills to data and security research.
- Developed Python scripts for automation, focusing on code quality and defect minimization.
- Gained experience in collaborative research environments, evaluating feedback and contributing to secure systems.

Projects

AI Model Training Prototype ⬡ ↗
- Developed a prototype for training large language models using PyTorch and FSDP, exploring optimization techniques and efficient code.
- Implemented model tuning with LoRA and RL, analyzing performance data to improve models and minimize defects.
- Utilized Docker and Kubernetes for deployment, demonstrating skills in cloud environments and research-oriented development.

Decentralized Voting System ⬡ ↗
- Built a blockchain-based voting system using Solidity, Ganache, and MongoDB, researching secure transaction protocols.
- Developed user dashboards with multi-factor authentication, ensuring data integrity and system reliability.
- Collaborated on design and code reviews, refining the project through iterative research and testing.

Skills

Programming Languages: Python, C, JavaScript (Basics), SQL
Technologies: Linux, Git, Docker, Kubernetes, AWS, Azure, PyTorch, Solidity, MongoDB, Ganache
Research Skills: Analytical Ability, Problem Solving, Innovation, Academic Performance
Soft Skills: Collaboration, Feedback Incorporation, Clear Communication, Passion for Research
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