Issac Kondreddy

📞 +1 (660) 539-7570   ✉ issackondreddy@gmail.com   📍 Cookeville, Tennessee
in LinkedIn   ⌗ GitHub   🌐 Portfolio

Skills and Expertise:

Programming Languages:	Python (Advanced), C, C++ (Basic)
Backend Development:	Django, Flask, RESTful APIs, JSON APIs
Databases:	PostgreSQL, MySQL
Data Structures & Algorithms:	Strong understanding and implementation skills
CI/CD Pipelines:	Docker, Jenkins, GitHub Actions
API Testing Tools:	Postman
Web Security:	Authentication (JWT, OAuth), Basic security principles
Testing:	Unit testing, Integration testing
Version Control:	Git, GitHub

Education:

- **M.S. in Computer Science**, University of Central Missouri — *Expected Graduation: May 2025*
  - GPA: 3.5
  - *Focus:* Backend Development
- **B.Tech. in Electronics and Communications**, Vel Tech University, Chennai — *May 2023*
  - CGPA: 9.14

Internship Experience: Research Intern — *July 2022 – October 2022*

Mitacs Globalink Research Internship, Canada
- Designed and implemented a metaheuristic algorithm for breast cancer detection, achieving a 95% accuracy rate.
- Enhanced medical classification by integrating quantum machine learning techniques.

Projects:

1. Task Management Application — ⌗ GitHub Link
Technologies: Django, PostgreSQL, AWS, REST APIs
- Developed a full-stack task management application allowing users to create, update, and manage tasks efficiently.
- Implemented secure user authentication and authorization using JWT.
- Deployed the application on AWS Elastic Beanstalk with PostgreSQL on AWS RDS for scalable performance.
- Created RESTful APIs to optimize frontend-backend communication and data handling.

2. Server Monitoring Dashboard — ⌗ GitHub Link, 🌐 Live Demo
Technologies: Django, Docker, AWS EC2, Jenkins
- Built a real-time dashboard to monitor server metrics like CPU, memory, disk usage, and Docker container statuses.
- Automated deployment using CI/CD pipelines with Jenkins and Docker, ensuring seamless integration and delivery.
- Configured real-time data updates to enhance system visibility and proactive performance monitoring.
- Integrated Docker container monitoring for streamlined management of server instances.