

# SANKALP GUNTURI

☎ (650) 944-9154 ✉ [sgunturi@protonmail.com](mailto:sgunturi@protonmail.com) [in linkedin.com/in/sankalpgunturi](https://www.linkedin.com/in/sankalpgunturi) [globe sankalpgunturi.com](https://sankalpgunturi.com)

## Education

### Carnegie Mellon University

Master of Science in Software Engineering

**Coursework:** Software Engineering Methods, Software Refactoring, Cloud Infra & Services

**Dec 2023**

Mountain View, CA

**GPA:** 3.53/4.0

### K L University

Bachelor of Technology in Electrical & Electronics Engineering (Gold Medal Awardee)

**Coursework:** Object-Oriented Programming, Discrete Math, Computer Organization & Architecture

**May 2019**

Vijayawada, India

**GPA:** 9.69/10.0

## Skills

**Programming and Development:** Python, JavaScript, TypeScript, C, Java, Bash, HTML5, CSS3, ReactJS, NodeJS, Express, Jest, MongoDB, MySQL, Socket.IO

**Agile and Cloud Services:** AWS, Azure, SAFe, DevSecOps, Git, GitHub, Jira

**Tools and Technologies:** Jenkins, Docker, Linux, Grafana, Prometheus, Swagger, Postman, Figma, Storybook

**Certifications:** Microsoft Certified: Azure Fundamentals (Issued Aug 2023)

## Work Experience

### Graduate Research Assistant

CyLab, Carnegie Mellon University & Walmart Inc.

**Aug 2023 – Dec 2023**

Pittsburgh, PA

- Collaborating with Graduate Advisor on advanced deep-learning for accurate product recognition at Walmart, while establishing AWS pipelines for seamless integration & delivery.

### DevSecOps Engineer Intern

JM Family Enterprises, Inc.

**Jun 2023 – Aug 2023**

Deerfield Beach, FL

- Assisted in design and architecture of end-to-end workflows for SDLC, Paved Roads, and Training & Coaching Materials with Agile and DevSecOps processes, impacting around 500 developers across diverse business units.
- Aligned Secure Controls Framework with company-specific requirements, mapping SDLC phases to 13 Technology Development and Acquisition Domains through stakeholder collaboration.
- Developed and demonstrated Proof-of-Concept for GitHub Copilot, anticipating 80% adoption rate across all business units within 3 months, aiming for 30% reduction in code development time and improved code quality.

### Senior Software Engineer (DevOps) – Cisco DNA Center

LTIMindtree

**Jul 2021 – Jun 2022**

Bengaluru, India

- Spearheaded the CI/CD workflow for Upgrade, 3-Node High Availability, Backup-Restore, Disaster Recovery scenarios, and reduced manual efforts by 50% by creating robust pipelines.
- Achieved a 20% improvement in defect detection within the CI/CD pipelines for each integration window.
- Implemented Docker-Containerization of 30% Jenkins nodes, resulting in increased reliability of CI/CD pipelines.

### Software Engineer – Cisco Nexus 7000/9000 Switches

LTIMindtree

**Oct 2019 – Jun 2021**

Bengaluru, India

- Enhanced NXOS firmware with critical interrupts in OBFL, debugged 30+ stats anomalies, and co-developed pyATS automation script for switch testing.

## Projects

- **Purohitconnect.com:** Created integrated platform using WordPress & PHP connecting Priests & Devotees, offering bookable services, chat features, filtered searches, in-house virtual services through Zoom, & versatile payment options.
- **Incident Response App:** Collaboratively developed mobile platform for emergency communication with 20-member team. Utilized ReactJS, Typescript, NodeJS, and MongoDB. Managed AWS deployment and tool adoption.
- **Emergency Social Network:** Collaborated in 5-member team using hybrid Agile practices (Scrum, Kanban, XP). Employed MVC, RESTful APIs, & Object-Oriented Analysis. Designed responsive UI/UX (Bootstrap, Mustache, EJS).
- **JQual: Feature Envy Detector:** Co-created JQual with a team of 4, utilizing AST Node visitors and code smell detection. JQual detects “brain methods,” enabling optimal extraction and eliminating feature envy.
- **Enterprise Automation Strategy:** Presented winning automation strategy, achieving 25% efficiency in O2C and H2R processes in a competition conducted by Workato among 20 candidates.

## Leadership

- **Graduate Teaching Assistant:** Mentored cohort of 60+ students for “Foundations of Software Engineering” course.
- **ECE Student Leader:** Facilitated events between Pittsburgh & SV campuses for cohort comprising 160+ students.
- **Google DSC Event Coordinator:** Coordinated Startup Hackathon with participation from 50+ students.