



Shreyas Shivakumar Kasetty

✉ shreyasskasetty@tamu.edu  [linkedin.com/in/shreyasskasetty](https://www.linkedin.com/in/shreyasskasetty)  9797039929

WORK EXPERIENCE

Cisco Systems, Bengaluru, India

Software Engineer

Feb 2021 – July 2023

Network Component Analyser Tool

- **Tech:** React.js, Next.js, SQL, Django, Git, Postman, REST API, Redux
- Designed and developed a real-time information retrieval system for optical network devices, leading to a **2x improvement in User Query Throughput Rate** and a **50% increase in debugging efficiency**
- Enhanced system service time by **95%**, reducing from an average of 1 minute to just 1 second

Cisco Optical Network Planner (CONP) for NCS1010

- **Tech:** React.js, Java, Springboot, MongoDB, Nginx, Git
- Identified and resolved critical bottlenecks in the network design process, resulting in a **40% reduction** in design errors
- Optimized data storage and retrieval processes with MongoDB, achieving a **15% increase** in database performance
- Modernized legacy code, achieving a **30% faster server response time**, **50% reduction in cyclomatic complexity**, enhancing scalability and maintainability
- Collaborated with a team of 10 engineers to integrate microservices architecture, enhancing system scalability and maintainability

Test Automation Framework for firmware Integration

- **Tech:** Python, Bash, Jenkins, Git
- Developed a Python automation framework, **reducing optical device firmware integration time by 70%** and automating 10,000+ test cases, eliminating manual testing
- **Cut NCS1010 Image deployment time by 60%** in each development-test cycle through process optimization

Other Involvements

- Documented workflows and operations of NCS1010 project features to enable team members to function with minimal interruptions
- Led training sessions for new users, **improving development speed by 50%** within the first month

EDUCATION

Texas A&M University, College Station, TX

Master of Computer Science, GPA: 4.0/4.0

August 2023 – May 2025

R.V. College of Engineering, Bengaluru, India

Bachelor of Science in Computer Science, GPA: 4.0/4.0

August 2017 – August 2021

SKILLS & PROJECTS

Languages: Python, Java, C, Javascript, Ruby

Technical Skills: Node.js, Ruby on Rails, React.js, Next.js, Django, Postman, REST API, Jenkins, SQL, Linux, Shell Script, Springboot, Pytorch, Transformers, NLP, Docker

PhD Application Review System

- Engineered a comprehensive PhD Application Review System for the TAMU CSE Department, leveraging Ruby on Rails, **resulting in a 70% increase in review process efficiency and handling over 1000-2000** applications annually.
- Implemented JWT tokens to secure API requests, enhancing system security and ensuring the protection of FERPA-regulated data for over 2000 student records

Sentiment Analysis using Transformers

- **Tech:** Pytorch, Transformers, Python, Flask, AWS, EC2, Google Colab, Docker
- Pre-processed, sanitized, trained and evaluated a **RoBERTa-GRU hybrid model to discern positive, neutral or negative sentiment** of Yelp restaurant reviews, achieving a **F1 score of 0.885** and an accuracy of 89%

AWARDS

Cisco Q1FY23 Quarterly Quality Award: for improving quality metrics of the NCS1010 project

MIG Cisco Hackathon: Received Top 10 rank in the Cisco MIG Hackathon among 200+ submissions