

SRAVYA KOYI

Chicago IL, 60115 | +1 (312) 709-0622 | sravyakoyi26@gmail.com | [LinkedIn](#) | [GitHub](#) | [Project](#)

EDUCATION

Northern Illinois University, DeKalb IL Master of Science, Computer Science	Aug 2023 - May 2025 GPA 3.85/4
Koneru Lakshmaiah Education Foundation (KLEF), India B.Tech, Computer Science and Engineering	Jul 2019 - Mar 2023 GPA 9.3/10

TECHNICAL SKILLS

- **Programming Languages:** C, Java, Python
- **Web Technologies:** HTML5, CSS3, JavaScript, React.js, Flask, Django, Spring Boot
- **Database Management:** MySQL, MongoDB, SQLite, Oracle
- **IDE:** Eclipse, VS Code, Jupyter, PyCharm
- **Version Control & Build Tools:** Git
- **Cloud Platforms:** AWS (Lambda, EC2, S3), Google Cloud Platform (GCP)
- **Packages:** Numpy, SciPy, Scikit-learn, Matplotlib

CERTIFICATIONS

- Google Cloud Certified Associate Cloud Engineer
- AZ400: Designing and Implementing Microsoft DevOps Solution - Microsoft
- ServiceNow Certified System Administrator
- Aviatrix Certified Engineer - Multicloud Network Associate
- Certified Network Security Practitioner (CNSP)

EXPERIENCE

Graduate Teaching Assistant, Computer Science, NIU, Dekalb IL	Aug 2024 - Present
<ul style="list-style-type: none">• Assisted in guiding students in UNIX system usage, shell script programming, and network programming in C++.• Provided support during laboratory sessions focused on system-level C++ programming and networking.• Evaluated assignments and exams on file access, permissions, and basic UNIX administration.• Conducted office hours to address student questions on bash scripting, C++ network programming, and system call-level operations in UNIX.	

INTERSHIP

Samsung Prism, India	Jul 2021 - Mar 2022
<ul style="list-style-type: none">• Contributed to a real-time project titled 'Video HDR - Efficient Fusion of Synthetically Generated Multi-Exposure LDR Frames'.• Developed a novel image enhancement technique that generates an HDR image from a single LDR image by synthetically generating and fusing multiple exposure frames.• Applied tone mapping algorithms (Reinhard, Mantiuk, and Drago's) to transform HDR images into display-friendly formats, optimizing for brightness, contrast, and color accuracy on digital screens.• Conducted extensive testing and experimentation to optimize the algorithm, resulting in successful generation of HDR images with improved accuracy and quality.	

PROJECTS

Breast Cancer Detection Using Deep Learning Models Python, ResNet18, Vision Transformers	Sep 2024 - Dec 2024
<ul style="list-style-type: none">• Addressed class imbalance using data augmentation techniques like rotation, flipping, and zooming.• Conducted extensive preprocessing, including image normalization and resizing, to improve model performance.• Utilized ResNet18 and Vision Transformers (ViTs) to analyze medical images, achieving high accuracy and ROC-AUC scores.• Implemented evaluation metrics like accuracy, F1-score, and AUC for comprehensive model assessment.• Achieved superior results with Vision Transformers, demonstrating their potential for clinical applications.	
Campus Placement Training and Recruitment Management System Python, Django	Jan 2024 - Apr 2024
<ul style="list-style-type: none">• Developed a RESTful Web Service using Django to manage campus placements and recruitment activities.• Implemented data transfer between front-end and back-end using JSON format.• Utilized Django REST framework for API endpoints and Django ORM for database management.• Applied Dependency Injection principles for efficient module handling.• Integrated the app with a MySQL database and used Django templates for dynamic web content generation.	

HONORS AND AWARDS

- Recipient of the ComEd Future of Energy Scholarship. (ComEd, Spring 2025)
- Awarded a Tuition Waiver for the final 2 semesters of the master's program. (NIU, Fall 2024 - Spring 2025)
- Received Recruitment Tuition Waiver in the first 2 semesters of the master's program. (NIU, Fall 2023 - Spring 2024)
- Recipient of Merit Scholarship for 4 years during bachelor's degree. (KLEF, 2019 - 2023)

VOLUNTEER

Social Media Manager, Indian Student Association	Aug 2024 - Dec 2024
Developed and executed social media strategies to enhance engagement, promote events, and foster community within the student body. Designed and scheduled content across multiple platforms, collaborated with different student organizations to amplify outreach.	