SRAVYA KARANAM

919.633.8585 | Raleigh, NC, 27606 | skarana@ncsu.edu | LinkedIn | GitHub

---

EDUCATION

North Carolina State University - *Raleigh, NC, USA*   August 2023 – May 2025
Master of Computer Science   **GPA** - 4.0/4.0
<u>Related Coursework</u>: Design and Analysis of Algorithms, Software Engineering, Object Oriented Design & Development

Siddaganga Institute of Technology - *Tumkur, Karnataka, India*   July 2017 – May 2021
Bachelor of Engineering in Computer Science   **CGPA** - 9.76/10
<u>Related Coursework</u>: Data Structures & Algorithms, Operating systems, Machine Learning, Computer Networks etc.

TECHNICAL SKILLS

- **BACKEND DEVELOPMENT:** Python | C | C++ | Java | Object Oriented Programming | Ruby
- **FRONTEND DEVELOPMENT**: | HTML5 | CSS | JavaScript | Angular | TypeScript | jQuery
- **FRAMEWORKS & Tools:** Django | Flask | Git | Agile | Automation Anywhere | RPA
- **DATABASES & OPERATING SYSTEMS**: SQL | MySQL | PostgreSQL | Linux | Windows

WORK EXPERIENCE

Western Digital [Software Engineer, Professional 1]   July 2021-August 2023

- Automated ERP cloud non-production environment refresh post steps using Automation anywhere bot to optimize task efficiency and accuracy with the automation of business processes by 95%.
- Created Database connections to fetch the data and automated processes to arrange data and handle errors.
- Spearheaded the end-to-end design, development, and testing of IQBOTs, streamlining operations by automating a complex business process; achieved a 50% reduction in processing time.
- Designed Python scripts for IQBOTS achieving 99% automation success rate and reducing restoration time by 40%.

Western Digital [Intern]   Jan 2021- June 2021

- Designed and developed an RPA bot using Automation Anywhere to automate the process of tracking user logon time within the organization and helped eliminate the manual effort by 97%.
- Applied Automation Anywhere to develop RPA bots to automate manual, repetitive, and high-volume processes.

PROJECTS

Django PAY:

- Developed a dynamic e-commerce website using Django, resulting in a 30% increase in online sales and a 20% improvement in user engagement. Implemented email notifications to enhance user communication.
- Pioneered a peer-to-peer payment system, enabling users to send and receive money securely within the platform, leading to a 25% rise in user-to-user transactions and enhancing the overall user experience.
- Successfully deployed the web application on the Heroku platform, ensuring real-time updates and testing capabilities, resulting in a 15% reduction in development cycle time and enabling rapid adaptation to market demands. [Technologies: Python, Django, HTML, CSS, Bootstrap, JavaScript]

Album ART:

- Leveraged Flask (Python) to develop a feature-rich web application for writers, achieving a 40% increase in user engagement and a 25% growth in active user base. Integrated essential features to enhance the writing experience and support creative endeavors.
- Implemented user-friendly design with HTML, CSS, Bootstrap, and JavaScript, resulting in a 20% improvement in user satisfaction scores and a 30% reduction in bounce rates, ultimately enhancing the application's usability.
- Led the end-to-end development process, optimizing performance and maintaining a 99.9% uptime rate, ensuring uninterrupted access for writers. [Technologies: Python, Flask, HTML, CSS, Bootstrap, JavaScript]

ACHIEVEMENTS

- Published and presented a research paper in CIIT conference 2020 on Credit Card Fraud Detection using Isolation Forest, Local Outlier and Support Vector Machine algorithms. Certified RPA developer.
- Secured 87% in NPTEL examination in "Programming with C" conducted by IIT (Indian Institute of Technology) Bombay 2019. Ranked in the top 1% of participants. Obtained Oracle Cloud certification.
- Obtained 95% in C programming from CISCO Networking Academy. Received Gold Medals for topper of CSE.