**Prasad Sadanand Mahabare**

prasadmahabare1@gmail.com, +1(260)-418-0740, [linkedin.com/prasad-mahabare](https://www.linkedin.com/in/prasad-mahabare-b3aaa5137/), [github.com/MahabarePS](https://github.com/MahabarePS)

Masters in computer science student at Purdue University with hands-on network engineering and ML automation experience. Collaborated with NetOps team to solve network challenges, demonstrating analytical and problem-solving skills. Managed multiple priorities simultaneously, including index comparison and an SNMPv3 upgrade. Proficient in Python, SQL, and automation.

**TECHNICAL SKILLS**

* Languages:Python, C#, C++, Java, JavaScript, REACT.js, HTML, CSS, MySQL, MongoDB, JSON, Shell
* Developer Tools:AWS, Docker, VirtualBox, Ansible, Splunk, VSCode, Eclipse, GIT, API, Postman, Figma, Bravo, AutoCAD, Adobe Creative Cloud, PowerApps, Azure, AWS, GCP, ServiceNow, BMC Footprints, TeamDynamix
* Models/ Enviorments: ipv4, OSI, TCP/IP, DHCP, LAN, WAN, WAP, ipsec, 802.11, routers, L2 and L3 switches, VoIP, network design, IT, eigrp, MPLS, Purdue Cloud System, Google Cloud, IBM Cloud, android, linux, API, Oracle, Cisco, ERP
* Technologies/Frameworks:PyTorch**,** TensorFlow, Keras, Scikit-learn, Numpy, Scipy, Pandas, Matplotlib, Jupyter, NLTK, Django, Flask, Kafka, NodeJS, Mocha, Azure, Selenium, Bootstrap, Shodan, Nmap, Metasploit, Regex, AJAX, angular.js
* Other: critical thinking, project management, quality assurance, communication, organizational skills, technical writing, OOP, client-server, microservices, SOAP

**PROFESSIONAL EXPERIENCE**

Student Network Engineer, Purdue University                                                                                                            Jan 2023 – Current

* Configured and installed Cisco catalysts (2650s to 9300s), firewalls, load balancers, DNS, VPN, and QoS
* Maintained Purdue Cloud System, OSPF and BGP performance by applying hot fixes and security configurations.
* Solved problems of over 200 users domain by implementing policies and procedures on current network configurations.

Senior Help Desk Associate, Purdue University Fort WayneFeb 2022 – Jan 2023

* Delivered exceptional customer service through phone, email, and in-person interactions with more than 500 users.
* Used ServiceNow and Team Dynamix to manage, troubleshoot and prioritize end-user issues, ensuring timely resolutions.
* Initiated Help Desk Training Module by analyzing daily challenges faced by current employees with knowledge base.

Graphic Design Intern, Biorev Studios                                                                                                                   Apr 2021 – May 2021

* Successfully created imploring materials per requirement analysis using Adobe Creative Cloud.
* Conducted scrum meetings to collaborate on creative social media ideas and storyboards with Canva.
* Innovated elegant mock-ups and prototypes by using Figma and Bravo to improve user experience of company website.

**EDUCATION**

**Master of Science in Computer Science** Dec 2023

Purdue University, Fort Wayne, Indiana

**Bachelor of Engineering Computer Engineering** Aug 2019

Modern Education Society’s College of Engineering, Pune, India

**PROJECTS**

Purdue Rewards System using Django REST framework inspired by Rakuten

* Rewards encourages users to visit domain-specific websites on a React.js UI, supporting 100 concurrent users.
* By rewarding users, Purdue creates a positive brand experience, builds stronger relationships, and enables data analytics for user engagement and system improvement.
* Rewards incentivize users to complete tasks, such as surveys or feedback, reducing data collection and research costs.

SNMPv3 upgrade over Cisco IOS network devices for Purdue West Lafayette

* Collaborated on a Python script in CI/CD environment to update the SNMP versions of devices on LibreNMS.
* Tested the Python script with several edge cases around 800 network devices.
* Produced an Ansible script to upgrade over cisco IOS\_XE and Once IOS\_XE is a success, implement it on all the campuses.

Determine the Mood of a Spotify Song through Lyric Classification

* Developed an AI model to Microservices architecture that classifies the mood of Spotify songs based on lyrics using natural language processing techniques.
* Leveraged Spotify's 'valence' ratings to train the model,
* Achieved up to 85% accuracy.

**LEADERSHIP AND PUBLICATIONSS**

* Senate Parliamentarian for Student Government Association at Purdue University Fort Wayne,
* Won Best Paper Presentation at the 7th National Conference on RECENT ADVANCES IN COMPUTER ENGINEERING [RACE-2019]
* [A Brief Review of Phishing Detection and Prevention Methods, Volume 3, Issue 11, (December 2018) (IJSDR)](https://www.ijsdr.org/viewpaperforall.php?paper=IJSDR1812043)