Prasad Sadanand Mahabare

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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 Wayne   Feb 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)