Shravan Purwar

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EDUCATION

Krishna Engineering College, Ghaziabad Aug. 2018 – Aug.2022
Bachelor of Engineering in Computer Science & Engineering

Gramodaya Internatioanal School, Jhansi July 2017 – June 2018
Intermediate

TECHNICAL SKILLS

Languages: C, Python, SQL, HTML/CSS.
Core Skills: OOPS, DBMS, Azure, Testing, Debugging, Networking, Security, Cloud Technology.
Soft Skills: Communication Skills, Interpersonal Skills, Problem-Solving, Collaborative, Analytical Skills, Teamwork.
Developer Tools: Git , VS Code, Google Colab, GitHub, MySQL, Linux, Postman, Spirent, CAFY
Networking: OSPF, BGP, ACL, MPLS, OSI Model.

EXPERIENCE

Software Engineer Trainee | CISCO | Bengaluru Nov 2023 – Present
- Managing L2/L3 protocols such as BGP, OSPF, ISIS, and STP on CISCO routers, with a focus on analyzing and resolving network anomalies.
- Automated CISCO IOS XR router functionalities using Python scripting on ASR 9K, Spitfire, and DNX (NCS) platforms, leading to a 30% improvement in network performance and a 40% reduction in manual operational tasks.
- Executed 50+ targeted tests on advanced routers, achieving 95% reliability, stability, and optimal performance in complex network environments, using methodologies like stress testing, failover simulations, and protocol conformance checks.

Project Engineer Intern | WIPRO | Remote Mar – Jul2022
- Contributed to the development and enhancement of Web Application, applying best practices in front-end development.
- Led the entire SDLC, from scoping to delivery as a software engineer, contributing to a 15% faster project completion rate.
- Conducted extensive testing, achieving 98% compatibility and usability scores, and enhancing performance by 25%.
- Acquired about the Microsoft Azure Cloud technologies & and its services to deploy into production for solving complex issues.

Data-Analyst Intern | IBM | Remote June – Oct2021
- Collaborated with a team of 4 analysts to develop predictive models, achieving a 20% increase in accuracy.
- Optimized data processing time by 30% through versioning datasets, models, and deploying ETL pipelines.
- Derived meaningful features via feature engineering, resulting in a 25% accuracy improvement in predictive models for optimal learning paths.

PROJECTS DETAILS

BULLDOZER(CISCO) | *Python, OSPF, BGP, Netflow*
- Configured SRv6 over BGP and OSPF, including enabling SRv6 and integrating SRv6 capabilities with BGP and OSPF.
- Set up NetFlow monitoring to track and analyze network traffic, enhancing routing efficiency and visibility.
- Automated 30+ test cases for OSPF, BGP, SRv6, and NetFlow, covering various configurations, high availability triggers, and both positive and negative scenarios, improving network resilience and performance by 40%.
- Created 20+ TextFSM templates for show commands, verifiers, and configuration APIs, streamlining protocol management and reducing configuration errors by 35%.

VOILET(CISCO) | *Python, OSPF, BGP, Netflow*
- Storing data in a dashboard for enhanced tracking and visualization of performance metrics, significantly improving the presentation and communication of the proven efficiency of current products.
- Strategically planned and optimized 20+ scenarios to maximize execution efficiency during the restructuring of automation packages, leading to a 30% reduction in processing time and a more streamlined, productive process.
- Conducted comprehensive regression and longevity testing to validate and enhance the efficiency of automation processes, ensuring consistently improved outcomes.

ACAMEDIC PROJECT

SALARY-PREDICTION WEB-APP | *Python, SQL, Machine Learning, Pandas, Numpy, Matplotlib* | Github | Live
- Designed and developed a user-friendly web-app in a group of 4, using machine learning algorithm to predict the ongoing trend of salary pay of software engineer.
- Analyzed and processed various data sets of 1000+ record using unsupervised learning algorithm, predicted salaries by analyzing data sets of 10+ countries with 87% accuracy.
- Guided thorough testing, achieving a robust 95% code coverage, ensuring code reliability and maintainability, optimized loading times, cutting them by 40%, enhancing model efficiency and user experience.

CERTIFICATIONS

- Microsoft Certified Azure Fundamentals -> & Azure AI Fundamentals. ->
- IBM Data Science Badges. ->
- NPTEL Development of Soft Skills. ->
- CCNA->