Sai Vamsi Dutt Patibandla

1330, The Alameda, Apt 278, San Jose, CA, 95126

✉ psvdutt@gmail.com   🖳 psvdutt.github.io   🔗 linkedin.com/in/psvdutt

📞 (669)-220-9884   ⌗ github.com/psvdutt

EDUCATION

Master of Science in Software Engineering - *San Jose State University, San Jose, CA*   *Aug 2022 – Present*

    Relevant Coursework: Software Systems and Engineering, Network Programming and Applications, Smartphone Application Development.

Bachelor of Technology in Computer Science, - *V R Siddhartha Engineering College, GPA: 8.2/10*   *Jun 2015 – May 2019*

    Relevant Coursework: Web Technologies, JAVA, Python, Artificial Intelligence, Cloud Computing, Design and Analysis of Algorithms, DatabaseManagement Systems, Data Analytics, Internet of Things, Data Structures, Operating Systems, Software Engineering

TECHNICAL SKILLS

Programming Languages	: Python, C, Linux and PowerShell Shell Script, Java Script.
Framework & Libraries	: Django, OpenCV, TensorFlow, NumPy, Pandas, Matplotlib, Scikit-Learn.
Tools and Services	: GIT, Jenkins, Ansible, Docker, Kubernetes, Spinnaker, Postman, Nagios, Uptrends, Postman.
Database Systems	: MSSQL, Oracle.

PROFFESSIONAL EXPERIENCE

DevOps Engineer – *SAP Labs - Tata Consultancy Services, Hyderabad.*   *Jul 2019 – Jul 2022*

- Automated build and deployment process with Jenkins, eliminating 60% of manual work and provisioning time by 80%
- Responsible for writing python and shell scripts, ansible playbooks to automate installations, config files for provisioning activities, backups, and other regular tasks
- Constructed CI/CD Pipelines for developer repositories to allow continuous deployments to internal environments to reduce operational burden on developers
- Reduced daily provisioning failures by 90% by identifying and remediating recurring issues
- Creating and updating documentation for daily process regarding assigned applications as well as providing training for support and on-going day-to-day operations
- Implemented automated reporting regarding the performance of web app and provisioning activities which saved over 7hrs of manual reporting time each week

Software Intern – *Image Based Tree Counting – NRSC, Hyderabad*   *May 2018 – Jul 2018*

- Enhanced satellite image SNR ratio by 50% using Contrast limited adaptive histogram equalization.
- Diminished the edge detection error rate to 0.15 by using a Hybrid edge detector.
- Generated the shapefiles of segmented images for maintaining vector information

GRADUATE EXPERIENCE

IPL Match Winner Prediction | Data Science | Technologies: *Python, NumPy, Scikit learn, Matplotlib, Seaborn*   *May 2019*

- Performed data cleaning, exploratory data analysis and found few factors that had a larger impact on the outcome of the match.
- Based on the factors, Predicted the match winner using the Decision Tree Algorithm with 95% test accuracy.

Vehicle Detection and Counting | Image Processing | Technologies: *Python, OpenCV*   *Oct 2018*

- Implemented a method to accurately count the number of vehicles using Image processing techniques as a Mini project with 85% accuracy

Vehicle Detection and Counting | Data Science | Technologies: *Python, Tensor Flow, Convolutional Neural Network*   *Mar 2019*

- Upgraded the same application to identify the color of the vehicle, track the speed and Direction of its travel using Convolution neural networks with an accuracy of 89%.

Ecommerce website | Technologies: *Django, Elastic Search, Kibana*   *Nov 2020*

- Developed a simple Ecommerce website which retrieve images and their respective data of all relevant items based on searched object

LEADERSHIP AND ACHIEVEMENTS

- Runner-up among 40 teams in Smart City Hackathon on real-time IoT solutions.
- Voted as the main Coordinator for organizing and coordinating branch events in my college Annual festival AFOSEC'18.
- Served as the Program Coordinator for 6 months in an innovation and coding club with 320 CS students.