

# Venkata Vasantha Phani Sai Paramkusham

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## Summary

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Graduate student looking for Full-time/Internship opportunities in Machine Learning/ Software Development/ Web development and IT. With three years of experience in the Software industry as a Software developer.

## EDUCATION

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**Oregon State University, Corvallis, Oregon- GPA 3.7**

**Sep 2021 - March 2023**

Masters in Engineering, Computer Science

Coursework: Database Management Systems, Design and Analysis of Algorithms, Big Ideas in Artificial Intelligence, Error-Correcting Codes, Data Science and Machine Learning, Parallel Programming, Introduction to Graphic, Inclusive design Human-Computer Interaction.

**GITAM University, Hyderabad, India- GPA 3.3**

**June 2015 - April 2019**

Bachelor of Technology, Computer Science

## Skills

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**Programming Languages and skills:** C/C++, Java, Python, Springs, Kafka, Java Servlets, React, and Hibernate

**Operating Systems:** Windows and Linux/Unix

**Applications IDEs:** Eclipse IDE, Jupyter, Android Studio, and Visual Studio Code.

**Tools and Libraries:** GIT, Jenkins, Jira, JFrog Repository, Docker, MVC, and Maven.

**AI Tools and Packages:** Pandas, Pycharm, Sklearn, Jupyter notebook, Numpy, Scipy, and Matplotlib.

## Experience

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**ChangeFinder(Freelance)**

**Oct 2022 - Present**

**Software Developer:** ChangeFinder web application to rate questions asked in grants of the non-profit organization.

- Used understanding of React fundamentals to promote better component lifecycle practices, increasing turnaround speed by 23% with 100% deadline adherence.
- Developed and implemented response user interface components using React concepts to develop a reusable and scalable code.
- Developed and improvised the OpenAI APIs to train and test the Non-Profit grants.
- Worked on Sprint planning, Sprint goals, and User Stores by using Jira.
- Worked on Github for the version content.
- Implemented the User Guide, Deployment, and Knowledge transfer document.

**Oregon State University**

**Jan 2022 - Present**

**Information Technology Help Desk Technician**

- Worked on planning and quick completion of the OSU System windows build pipeline by including the CMD scripts which improvised the build completion rate by 30%.
- Experience in troubleshooting issues with Active Directory, VPN, Anti-virus software, and VDI
- Worked on solving 300+ client tickets and bugs and received appreciation from professors of different departments.
- Experience in working in stressful environments and live football games with the News channels like CNN, Foxnews, etc. for network and media support in IT.
- Provided an excellent quick and on-sports workaround for solving printer connection issues with TCP/IP, Ethernet, and hardware issues.

- Worked and troubleshoot user issues on software like Microsoft Office 365, Canvas, and Duo Mobile

## **TATA Consultancy Services**

**May 2019 - June 2021**

### **Software Developer (Ericsson Research and Development, TechBU, Hyderabad)**

Developed and maintained the Network license server(NeLS) application for the Ericsson 5G networks and IoT Solution. As a developer in the DevOps team with Test Driven Development (TDD) I have worked in all the phases of the SDLC life cycle, I used CI/CD practices to develop and test different software features using object-oriented concepts and reduced the test case failures from 80% to 10%.

- **Command Line Automatic Recovery NeLS:**

Developed the code for the automatic recovery of NeLS by making the command on the servers running on VMware, VCloud, AWS, and VSphere platforms.

Tools: Suse Unix file systems, VMware Virtual Disk Files, AWS E2C.

- **Alarm Handling and Clearing:**

Implemented a real-time working solution to raise and clear the alarms upon the excess usage of the licenses. Analyzed the different testing strategies and developed the unit, feature, and system test cases.

- **Testing and Maintenance Activities:**

Implemented the testing pipelines to perform the system and feature test using the Groovy Programming language for weekly integration testing.

## **WingFotech Pvt. Ltd.**

**May 2018 - July 2018**

### **Data Science and Machine learning intern**

- Used Python to parallelize the preexisting code to make the execution of large datasets faster by 20%.
- Researched and understood the performance of the machine learning algorithms on different types of datasets.

## **Cyient Ltd.**

**May 2017 - July 2017**

### **Web Developer Intern(TomTom, Hyderabad)**

- Developed the web application to track the employee login and logout timings and implemented the backend database code to automate employee timesheets.

## **Projects**

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### **Gesture Controlled Bot**

- Implemented the Python code to detect human gestures by using the VGG transfer learning model with the inputs from the laptop camera and sending action from the Radio Frequency transmitter to the Arduino Uno bot.

Tools: Laptop Cam, Google Colab, Sensor Shield V5, L298N motor driver, Arduino Uno.

### **Automatic Detection of Fake News**

- Designed the machine learning python code to detect fake news by analyzing the news article heading by using the Kaggle data set. Model using the Naïve Bayes and Decision Tree algorithm to observe the evolution of fake news writing styles and patterns from 2010 to 2019.

## **Achievements and Award**

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- Winner of OnSport award 2021 for excellent troubleshooting and problem-solving skills.
- Qualified for the Graduate Aptitude Test in Engineering (GATE) in 2019 and 2020.
- Won 5th place in the OSU chess competition 2021 organized by the OSU chess club.