

# Lasya Pendyala

Portland, OR | [lasya.pendyala14@gmail.com](mailto:lasya.pendyala14@gmail.com) | +1-9713895139 | [Linked-In: / lasya-pendyala](#)

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## SUMMARY

- 1+ year of experience in software development, object-oriented design, UI and databases.
- Strong coding skills and well versed with Agile/Scrum software development process.
- Adept at working on projects end to end involving requirement gathering and solving them with vigor to learn new technologies with well-organized analytical & leadership skills.
- Academic experience of training and deploying Machine Learning algorithms

## EDUCATION

**Portland State University**, Portland.

MS in Computer Science – Mar 2023(expected) | GPA :3.90

**Jawaharlal Nehru Technological University**, India

B.Tech. in Computer Science - May 2020 | GPA: 3.50

## SKILLS

- Java, SQL, Python, C, C++, MySQL, Oracle (PL/SQL)
- HTML, CSS, JavaScript, NodeJS
- Machine Learning, Deep learning, Artificial Intelligence, Selenium

## EXPERIENCE

### **System Engineer**

*Tata Consultancy Services, Hyderabad*

*Feb 2021 – Jan 2022*

- Actively involved in development and maintenance of software solutions for the UK grid clients
- Worked on improving and maintaining web applications and supporting backend services that help provide UK residents electricity and grid related services
- Have acted as the quality assurance champion for the team and was heavily involved in writing automated test cases using various testing frameworks including Selenium
- Organized and championed an operational excellence event of improving the code coverage of projects in our org
- Actively spent time seeking learning opportunities and completed entry level trails in Salesforce

### **Intern**

*EnLume Technologies, Hyderabad*

*Aug 2019 – Oct 2019*

- Worked on developing a Machine Learning model using Image Recognition Techniques to identify License Number Plates from CCTV images
- Was involved in all stages of model development including data gathering, descriptive analysis, data pre-processing, model training, parameter tuning and validation

### **Content Writer**

*Stagger, Hyderabad*

*Sep 2017 – Aug 2019*

- I worked as a content writer for an online startup, where my writings were the face of the company including blogs, social media marketing and company website

## ACADEMIC PROJECTS

### **Covid-19 Database (PostgreSQL)**

- As part of an advanced Database Course, I created a Covid-19 database by extracting raw data from various sources on the internet. Employing the intricate nuances of database design, I structured the raw data from multiple sources to form a database using SQL features including joins, triggers, procedures, functions, aggregations etc.
- The database was used to generate descriptive statistics to power up Tableau dashboards

### **Logging Module (NodeJS)**

- I developed a logging module in Node JS that provides the users a way to add logging to their NodeJS applications
- The project was an attempt to add more flexible, less boiler plate logging module that is light weight
- Ensured the module follows best coding standards of NodeJS with exclusive emphasis on code reading and reviewing by peers in the team

### **Using Artificial Intelligence for Snake Game (Artificial Intelligence)**

- I built a snake bot analyzing different algorithms like Brute force random approach to complex genetic and Deep Q-Learning algorithms that will achieve the highest score possible.
- The project was an attempt to work on different algorithms to train the snake bot and compare those findings and improvements.

### **Refilling prescription voice assistant (Voice Assistant)**

- I created a custom skill assistant to refill the prescription, find a pharmacy and schedule a pickup for a prescription using Alexa developer console, google actions and Dialogflow essential consoles. Backend fulfillment was done using NodeJs.