

# Vasudha Pasumarthi

✉ [vasudha.pasumarthi38@gmail.com](mailto:vasudha.pasumarthi38@gmail.com)

☎ +1(408) 505-4791

🌐 <https://github.com/vasudha-pasumarthi>

🌐 <https://www.linkedin.com/in/vasudha-pasumarthi-167b37214/>

🌐 <https://www.kaggle.com/vasudhapasumarthi> 🌐 Sunnyvale, CA

## PROFILE

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Software Engineer currently pursuing master's in Software Engineering, having experience in building ML models and capable of developing and deploying user interfaces.

## EDUCATION

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**Master of Science in Software Engineering**  
San Jose State University

Jan 2021- Dec 2022

CGPA:3.83

**Coursework:** Data structures/Algorithms, Machine Learning, Database Systems, Data Mining, Enterprise Distributed Systems, Deep Learning, Software Systems Engineering, Cloud Technologies

## WORK EXPERIENCE

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**Assistant System Engineer** Tata Consultancy Services, India

July 2016 – Nov 2019

- Built, tested, and employed scalable, highly available, and modular software products
- Provided technical support to numerous companies belonging to international trade via email communications and binding them to native Global trade management software
- Created an Online Flight management system with ASP.net framework and MySQL as backend database. Functionalities include user authentication and CRUD operations on database
- Managed on Visual Studio with XML to automate task of tracking login user activities into production environments and report discrepancies reducing 30 min of manual overhead per shift

## PROJECTS

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Portfolio of projects with reports and demonstrations: [link](#)

**Rental Predictions Using ML Techniques** –Pickle, React JS (Front End) and Python Flask (Back End)

- A web application for estimating rent of apartments based on various parameters (number of rooms, type of kitchen, car parking, balcony, etc.)
- Trained the Gradient Boost Regression, Linear regression, and Random Forest predictive models

**Shipping Port Management System** – MySQL (database), React (Front End) and PHP (Back End).

- Designed an online port management system for all trade operations.
- Included functionalities : requesting for a port, tracking ship status and report generation.

**AvengHers Airline Website**– MongoDB, Node.js with Express, React.js, AWS EC2

- An airline website with features like enrolling a new customer, searching for flights, Seat Selection, Payment by making use of reward points, Canceling, and updating reservations are some functionalities.
- Practiced various Agile Methodologies including conducting regular Sprint meetings, maintaining Task sheets and XP Core values, etc.

## SKILLS

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**Industry Knowledge :** Data Science, Machine Learning, Software Development, Database Management, Agile, Scrum

**Tools, Technologies :** VS Code, Eclipse, TensorFlow, Keras, Anaconda, Pandas, Scikit-Learn, NumPy, Matplotlib, Jupyter, Weka, Arduino, Excel , PyTorch, JavaScript, Node.js, Python SQL, HTML, CSS, Flask, React.js, MongoDB, Pickle, Amazon EC2, Git

**Leadership :** Head Student Placement Coordinator, collaborated with numerous firms for hiring

**Communication :** Presented in eight seminars in inter-college competitions that reached an audience average of 5,000 per competition

**Problem Solving :** Closed 90% of desktop support tickets on the first call in TCS without escalation

**Accomplishments :** Branch Topper: Secured 1<sup>st</sup> Rank in EEE Dept among 500 students in the year 2012 and 2016 during my undergrad