

# PRASANTHI VANGA

Engineering Student

A dynamic, team-spirited, and performance-driven masters student actively looking for jobs.

✉ pvanga@ucmerced.edu

☎ 2097164272

📍 Merced, United States

🌐 [linkedin.com/in/prasanthi-vanga-ba3794191](https://www.linkedin.com/in/prasanthi-vanga-ba3794191)

## EDUCATION

### MS in Computer Science

University of California, Merced

08/2021 - Present

GPA-3.918/4

Courses

- Intelligent Systems
- Cloud Computing
- Human Computer Interaction
- Database System Implementation

### Bachelor of Technology in ECE

Amrita Vishwa Vidyapeetham, Coimbatore

07/2017 - 05/2021

GPA- 9.07/10

Courses

- Data Structure and Algorithms
- Pattern Recognition
- Computer System Architecture
- Soft Computing

## WORK EXPERIENCE

### Graduate Teaching Assistant

University of California, Merced

08/2021 - Present

Merced, United States

Courses

- Spring 2022-CSE 173/COGS 123 - Computational Cognitive Neuroscience.
- Fall 2021-CSE005 - Introduction to Computer Applications.
- Responsibilities include facilitating students to work on their labs and Grading their work.

### Research Intern

Northern Illinois University

12/2020 - 04/2021

Illinois, United States

Achievements/Tasks

- Built a prototype of AI-Based Camera: Integrated Speech Recognition and Emotion Detection.
- Developed algorithm performs with high efficiency compared to existing models.
- Managed to work with students from different background.

### Assistant Manager

Ramachandrajee Supermarket

10/2020 - 06/2021

India

Achievements/Tasks

- Working with employees to make sure they are on time and perform.
- Provided technical assistance to employees to use software available for automated billing.
- Improved marketing and sales by 20%.

## SKILLS

C/C++

Python

HTML

Data Science

Numpy

SQL

Arduino

Machine Learning

Data Structures

Algorithms

AI

ML

IOT

Docker

## PROJECTS

### Low-cost Braille Prototype (07/2019 - 05/2021)

- Designed a new model to help visually impaired using Arduino and Solenoid valves .
- Presented our research paper work in IEEE conference. [🔗](#)

### Autism Spectrum Disorder Screening (06/2020 - 12/2020)

- Designed a Machine learning model to detect Autism within the stipulated time.
- Used and applied Python and Jupyter as well as programming skills to create and test the algorithm.

### Flood Prediction (06/2020 - 12/2020)

- Predicted Flood using various models like KNN, MLP, etc.
- Worked with a 4-member research team, leading them to do tasks for accomplishing the project.

## WORKSHOPS

### Internet of Things - Lemma Labs by IIT, Madras (05/2019)

Built Apps using MIT App Inventor, Learnt HTML, Built projects using NodeMCU

### Deep Learning - Madras Institute of Technology (01/2018)

Skills acquired: keras, ANN, tensorflow

## ACHIEVEMENTS

### Rank Holder (06/2017 - 05/2021)

Secured 10th rank in Undergrad

## LANGUAGES

English

Full Professional Proficiency

Telugu

Full Professional Proficiency

Tamil

Full Professional Proficiency

## INTERESTS

Self-Education

Entrepreneurship

Fitness

Cooking

Research

Hiking

Dancing