Vinayak Jethe

jethe001@cougars.csusm.edu | 442-294-6053

EDUCATION

CALIFORNIA STATE UNIVERSITY, SAN MARCOS

MS IN COMPUTER SCIENCE
Expected May 2021 | San Marcos, CA

MUMBAI UNIVERSITY,

BE IN COMPUTER ENIGINEERING
May 2017 | Mumbai, India

LINKS

Github:// vinayak--
Linkedin:// vinayak-jethe

COURSEWORK

CS-537: Data Comm & Comp. Networks
CS-542: Design Patterns & OO Analysis
CS-513: Analysis & Interaction of Algo.
CS-571: Artificial Intelligence
CS-485: Game Programming
CS-643: Adv. Database Mgmt Sys.

SKILLS

PROGRAMMING LANGUAGES:
Intermediate

- Python • Java

Beginner

- C

WEB TECHNOLOGIES

- PHP • JSP • HTML • CSS • JS

FRAMEWORKS

- Django • Frappe

TOOLS

- Git

CERTIFICATES & ACHIEVEMENTS

- Oracle Certified Prof. Java SE6, Prog.
- Java Enterprise Edu. Certified Prog.
- Qualified for on-site regional round of ACM – ICPC 2016.

PROJECTS

Self-Driving Car (Python, Tensorflow, Keras, OpenCV, NumPy)   **Jun 2020**

- Constructed Convolutional Neural Network model using Keras on Tensorflow.
- Performed **Behavioral Cloning**, collected data which included images, steering angles, throttle, and velocity.
- Preprocessed data and performed image augmentation to increase the volume of data.
- Fed this data to deep learning model and connected it to Udacity Self-Driving Car Simulator to autonomously drive the car achieving an **accuracy** of **96%** overall.

Traffic Sign Classifier (Python, Tensorflow, Keras, OpenCV, NumPy)   **Jun 2020**

- Developed a Deep learning model that could classify around **43** different traffic signs using Keras over Tensorflow.
- Performed several image processing techniques along with image augmentation to train model and acquired an **accuracy** of **98**%.

Woocommerce ERPNext Integration (*Open Source Contributi*on)   **May 2018**

- Developed an Integration for ERPNext systems within a span of a month using Python and Frappe Framework by solving a major problem of ERPNext users of manually entering data into the systems.
- Build a system that could fetch data from Woocommerce websites using Webhooks.
- Making synchronization of data eg. products details, customer details extremely smooth and efficient.

Chat Application (Android App)   **March 2017**

- Designed and build a chatting application on Android Platform.
- Users could send and accept friend requests, update profile pictures and status along with chatting with other users.

WORK EXPERIENCE

Picostone Technology Pvt. LTD | Embedded Software Intern

Aug 2018 – Oct 2018, Mumbai

- Worked on Picostone Polar and Picostone Basic model.
- Fixed various bugs and issues with their existing system and improved *customer satisfaction* by 15%.

MN Technique LLP | Software Developer Intern

Nov 2017 – Jun 2018, Mumbai

- Designed and Built web applications using Python, JavaScript and Frappe Framework.
- Worked with AWS API and integrated it into a web application for retrieving and uploading data to Amazon, making it very user friendly for customers.