

Venkata Aditya Kuppa

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EDUCATION

Chaitanya Bharathi Institute of Technology, Hyderabad, India

April 2019

Bachelor of Engineering, Computer Science and Engineering

- Relevant Coursework: Discrete Mathematics, Data Structures and Algorithms, Database Management Systems, Operating Systems, Theory of Automata, Machine Learning, Object-Oriented Programming.

SKILLS

- **Languages and Tools:** Python, C++, Javascript, SQL, Django, GIT, Jenkins, JIRA, Linux, Matlab.
- **Other Technologies:** Deep Learning, Reinforcement Learning, Computer Vision, PyTorch, Tensorflow, Keras, Agile.

EXPERIENCE

Oracle Corporation, Hyderabad, India

June 2019 – Current

Applications Developer

- Developed REST APIs using Python for interaction between back end and front end across services.
- Developed new features, web pages, reports and scheduled jobs to send emails to the users.
- Upgraded the Textura Payment Management application from Python 2.7 to Python 3.7.
- Integrated analytics with various web services.
- Built Jenkins pipelines to automate development and testing tasks.

Oracle Corporation, Hyderabad, India

Jan 2019 – June 2019

Project Trainee

- Migrated the Oracle Taxtura web service from .NET to Django.
- Learned about micro-services and the communication between them to perform the specified tasks.

Defence Electronics Research Laboratory (DLRL, Govt. of India)

Feb 2018 – April 2018

Research Intern

- Implemented Network Monitoring Software in JAVA to monitor and analyze the network between two radio devices.
- Closely studied network sniffing tools like RabbitMQ, WireShark.

PROJECTS

Human Activity Recognition for Video Surveillance

- Built an activity recognition system that detects and alerts about suspicious human activities via LEDs and alarm in a real-time video.
- Trained various networks like VGG-16, Resnet-34, CNN+LSTM etc. on the augmented and pre-processed dataset.

Neural Style Transfer

- Developed a deep learning application that combines the content of an image with the style of an art to produce new images.
- The application is implemented using Tensorflow and Keras along with the supporting libraries and uses the VGG-19 model for generating the feature representations.

Human Name Generator

- Developed a supervised NLP application that uses character-level language modeling to generate new human names.
- The RNN implemented from scratch using Python, learns from a million examples through mini-batch

gradient descent.

Movie Recommendation System

- Developed a recommendation system that recommends a set of movies based on user's watch history and past upvotes.
 - Implemented in Matlab using Collaborative Filtering Algorithm.
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ACHIEVEMENTS AND COURSES

Open-Source Contributions

- Contributed to open-source machine learning libraries like matplotlib and datascience.

Contribution to the Govt. of India's Defence

- The network monitoring software developed during the internship at DLRL is currently being used on site by the Indian defence to monitor the radio networks.

Recruitment by Oracle Corporation

- One of the 25 students to be recruited by Oracle from a pool of 1000+ applications across 3 different colleges.

Finalist of AngelHack-2018.

Certification course in Deep Learning Specialization by deeplearning.ai.

Completed Stanford's CS231n: Convolutional Neural Networks for Visual Recognition course.

Completed the DeepMind's Reinforcement Learning Course by David Silver.

EXTRA CURRICULARS

- Volunteer at Oravolunteers, Oracle.
- Enthusiastic nature and landscape photographer.
- Core member of the Coderplex AI community.
- Volunteer at Robin Hood Army NGO.