

Bharath Chandra Thota

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2700 Ellendale Pl, 318, Los Angeles, CA 90007

EDUCATION

University of Southern California, Los Angeles, CA

Master of Science in Data Informatics

Coursework: Data Management, Machine Learning

Aug 2018 – May 2020

(Expected)

JNTU, Hyderabad, India

Bachelor of Technology in Computer Science and Engineering

Coursework: Data Structures, Databases, Software Engineering, Operating Systems, Algorithms

Sep 2013 – May 2017

3.80/4.0

WORK EXPERIENCE

Cyient India

Security Analyst Intern

Jul 2017 – Dec 2017

- Worked on Intrusion Prevention System, Vulnerability Management, Content Filtering, Security Incident and DDOS mitigation.
- Analyzed Traffic flow and took actions accordingly if found suspicious.
- Dealt regularly with various vendors, clients, users and fellow employees to provide prompt and reliable service to various networks.

TECHNICAL SKILLS

- **Languages:** C, Java, Python
- **Web Technologies:** HTML, JavaScript, jQuery, Bootstrap, AngularJS, PHP, AJAX, Flask
- **Libraries:** Selenium, Tensorflow, Keras, numpy, pandas, matplotlib
- **Databases:** SQL, PL/SQL
- **Tools:** Visual Studio Code, Eclipse, Android Studio

PROJECTS

Optical Character Recognition with Raspberry Pi

Languages/Tools: Python, OpenCV

- Designed a circuit and programmed sensors to convert images to text and further into speech using Python programming language and Pytesseract module.

Unique Paper Shuffler

Languages/Tools: HTML, JS, CSS, Flask, SQL

- Developed web application using Flask, HTML, CSS and JS to generate unique set of question papers by taking list of questions.

Mobile Bot

Languages/Tools: Python, Android, SQLite3

- Programmed an android application to assist user in interacting with mobile phone in a complete hand free mode by connecting to server created with Python.

Personalized Music Player

Languages/Tools: Python, GTK+, GStreamer

- Implemented desktop application using python and GTK+ to connect to Internet and downloads songs from mentioned album.

Neural Network with self-learning Activation Function

Languages/Tools: Python, Keras, Tensorflow

- Built Neural Network, in python, with ability to self-learn activation functions to detect hand-written digits with 98% accuracy.

ACHIEVEMENTS & EXTRA-CURRICULARS

- **Hackathon Winner:** Winner of a "Centralized Hackathon" conducted by Maker Space Foundation on IoT in undergrad university.
- **Member of IoT club:** Member of IoT club in undergrad university and developed three products while working in club.
- **Founder of Department Magazine:** Founder and Technical Head of Computer Science and Engineering department magazine of my undergrad university.