

Varun Totakura

Florida State University,
Tallahassee, United States
Master of Science in Computer
Science (Starting in Fall 2022)

Assistant System Engineer

CONTACT

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WEB LINKS

<https://github.com/varuntotakura/>

<https://varuntotakura.github.io/>

SKILLS

Python, C++, SQL, Java, and C

Machine Learning

Google Cloud Platform, Azure

Tensorflow, PyTorch, Scikit

Data Visualization

Computer Vision

Data Processing & Scrapping

ADDITIONAL SKILLS

Analytical Thinking

Problem Solving

Interpersonal Skills

Organization & Prioritization

Problem Solving

Team Collaboration & Leadership

HOBBIES

Cooking

Problem Solving

Photography

CAREER OBJECTIVE

Self - Directed and motivated developer works effectively in dynamic environments. Desperate to work on Machine Learning and Passionate about learning new technologies.

EXPERIENCE & CURRENT WORKS

+ **Master of Science in Computer Science at *Florida State University***, Tallahassee, Florida, United States (August, 2022 - Present)

+ **Developer, Assistant System Engineer at *Tata Consultancy Services***, Hyderabad, Telangana, India (July, 2020 - July, 2022)

- Worked collaboratively in team environment to complete given tasks and wrote optimized and extensible code in a DevOps (ServiceNow) & Machine Learning (Azure) environments.
- Undergone many training and acquired team skills, industrial skills and time management skills.
- Received Thirteen Awards for best performance.

PROJECTS

- Developed Brain Tumor Detection using Convolutional Neural Network in Python as my major project during graduation.
- Self – Driving Car, Vehicle Speed Check, Selfie Drone, Traffic Violation Detection using Computer Vision algorithms and Convolutional Neural Networks in Python.
- Face Recognition, Vehicle License Plate Recognition in Python using Computer Vision and various other Machine Learning and Deep Learning algorithms.
- Chatbot, Voice Assistant, Stock Analysis using Recurrent Neural Networks in Python.
- Automated Snake Game, Web Crawlers and Web Scrapping in Python.

RESEARCH PUBLICATIONS

- Predicting the Rate of Transmission of Viral Diseases using ARIMA
- Symptomatically Brain Tumor Detection Using Convolutional Neural Networks
- Improved Safety of Self-Driving Car using Voice Recognition through CNN
- Predicting the Rate of Transmission of Viral Diseases using GARCH
- An Integrated Approach to Sentiment Analysis using Machine Learning Algorithms
- Prediction of Animal Vocal Emotions using Convolutional Neural Network
- Prediction of Stock Trend for Swing Trades using Long-Short Term Memory Neural Network Model

TRAININGS & INTERNSHIPS

- Neural Networks and Deep Learning, Coursera: VQBCURE6DJUJ
- Applied Machine Learning in Python, Coursera: CNAUGTVGQ3Z
- End-to-End Machine Learning with Tensorflow on GCP, Coursera: YZR5MXPkLA6R
- Customer Analytics, Coursera: 38HHL76S9CET
- Training and Internship at Hyderabad City Police Cyber Department on Ethical Hacking.
- Internship at Imparta on IOT, and at Johan Brown on Web Design and Development.

EDUCATION

- **Graduation:**

Master of Science in Computer Science at Florida State University, Tallahassee, United States, Fall 2022

- **Under Graduation:**

Jawaharlal Nehru Technological University - Hyderabad,
Guru Nanak Institutions Technical Campus, Telangana, India
Bachelor of Technology in Computer Science and Engineering,
CGPA 8.91, November 2020

Awards & Honors: 2nd Topper of the College in 2-2 semester

Extracurricular Activities: Published many research papers and Developed many websites for college events and participated & organized many events, and also participated in National Service Scheme (NSS) events.

Academic Projects:

1. Brain Tumor Detection using Convolutional Neural Network in Python – Major Project
2. Dynamic websites for college conference using PHP, Python – Minor Project

- **Intermediate:**

Narayana Junior College, BIETS, Hyderabad, India
Mathematics, Physics, Chemistry; Percentage 91.4%, May 2016

- **School:**

Narayana Concept School, SSC, Hyderabad, India
GPA 9.2, May 2014

Extracurricular Activities: Actively participated in sports.