Varun Totakura

Tallahassee, Florida, United States - 32304

(848) 667-6729 | varun.totakura@gmail.com | https://varuntotakura.github.io

Professional Summary

Passionate Machine Learning, and Data Science professional with a strong foundation in computer science and a proven track record in research and development. Skilled in designing and implementing advanced ML algorithms for complex problem-solving. Excited to contribute to cutting-edge projects and drive innovation.

Education

Florida State University, Tallahassee, Florida, United States **August 2024**
Master of Science in Computer Science; CGPA: 3.54 on a scale of 4.0

Jawaharlal Nehru Technological University – Guru Nanak Institutions, Telangana, India **September 2020**
Bachelor of Technology in Computer Science & Engineering; CGPA: 8.91 on a scale of 10.0

Technical Skills

Programming Languages: Python, C, Java, C++, JavaScript, Go Lang, R
Python Modules: PyTorch, TensorFlow, OpenCV, Matplotlib, Scikit-learn, PyAutoGUI, LXML, Beautiful Soap, Selenium
Databases: MySQL, NoSQL
Scripting Languages: HTML, CSS, JavaScript, PHP
Tools: Power Automate, Google Colab, Spyder, Microsoft Visual Studio, R Studio
Operating Systems and Clouds: Windows, Linux; Google Cloud, Azure, ServiceNow

Professional Experience

Graduate Research Assistant, *Florida State University*, Tallahassee, Florida **August 2022 – Present**
- Working the development of an Alzheimer's Disease detection solution in collaboration with Florida State University - Psychology Department and Cornell University - Weill Cornell Medicine.
- Leveraging Deep Learning techniques to predict model correctness.
- Designing a Natural Language Processing solution for Bug Localization.

Systems Engineer, *Tata Consultancy Services*, Hyderabad, Telangana, India **July 2020 – July 2022**
- Worked as a Developer in a ServiceNow project and led development of Machine Learning-based Chatbots.
- Headed R&D initiative, automating routine tasks to enhance efficiency.
- Recognized with nine awards for best performance along with "Learning Achievement Award" for mastering technologies including ServiceNow, Power Automate, Azure, and Google Cloud.

Previous Projects

Developments of Intelligent Chatbots and Automations, *Tata Consultancy Services* **September 2021 – July 2022**
- Created intelligent Chatbots for streamlined operations and user interactions.
- Developed ML-driven automations to optimize productivity.
- Tools: Python, Azure, ServiceNow, REST Protocol.

ServiceNow Integrations using REST and Email, *Tata Consultancy Services* **December 2020 – September 2021**
- Integrated ServiceNow with external tools using REST and Email, enabling efficient data transfer.
- Contributed to seamless data flow across different instances.
- Tools: ServiceNow, REST Protocol.

Research Works

- Published 13 research papers and chapters on advanced ML topics in various SCOPUS, and SCI indexed journals.
- Titles include "Predicting the Rate of Transmission of Viral Diseases Using ARIMA" and twelve more.
- Currently working on 3 more research projects which are about to be published in top conferences/journals.

Awards and Achievements

- Three times Star of the Month and Five times On the Spot Awards, Tata Consultancy Services.
- Ranked 2nd Topper, Guru Nanak Institutions in the year 2019.

Certifications and Trainings

- Completed altogether 10 courses on Machine Learning, Customer Analytics, and more in Coursera.
- Cyber Smart Intern with Hyderabad City Police.
- Ethical Hacking, IOT, and Web Development training by Imparta.
- E-Book design and development internship at Johan Brown Pvt Ltd

***More details available at my portfolio:* https://varuntotakura.github.io/**