**Varun Totakura**

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**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.

**EDUCATIONAL QUALIFICATION**

* Pursuing **Master of Science in Computer Science** from **Florida State University**, Tallahassee, USA; **CGPA: 3.54** on a scale of 4.0 **(August 2022 – May 2024)**
* Completed **Bachelor of Technology** in **Computer Science & Engineering** from **Jawaharlal Nehru Technological University**, Hyderabad, India; **CGPA: 8.91** on a scale of 10.0 in **September 2020**

**PROFESSIONAL EXPERIENCE**

**Graduate Research Assistant**, Florida State University, Tallahassee, USA; **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.

**System Engineer**, Tata Consultancy Services, Hyderabad, India; **July 2020–July 2022**

* Worked as a Developer in a ServiceNow project and led development of Machine Learning-based Chatbots.
* Headed NextGenAMS 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 using Machine Learning,** Tata Consultancy Services; **September 2021–Present**

* 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.

**TECHNICAL SKILLS**

* **Programming Languages**: Python, C, Java, C++, JavaScript, Go Lang
* **Python Modules**: PyTorch, TensorFlow, OpenCV, NumPy, Pandas, Matplotlib, SciPy, Scikit-learn, PyAutoGUI, LXML, Pygame, Beautiful Soap, Selenium
* **Databases**: MySQL, NoSQL
* **Scripting Languages**: HTML, CSS, JavaScript, PHP
* **Tools**: ServiceNow, Power Automate, Azure, Google Cloud, Google Colab, Jupyter Notebook, Spyder, Visual Studio, R Studio, Brackets and Adobe Photoshop
* **Operating Systems**: Windows, Ubuntu (Linux)

**RESEARCH WORK**

* Published 13 research papers and chapters on advanced ML topics in various SCOPUS, SCI indexed journals.
* Titles include "Predicting the Rate of Transmission of Viral Diseases Using ARIMA" and twelve more.

**AWARDS AND ACHIEVEMENTS**

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

**INTERNSHIPS AND TRAININGS**

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

**References available upon request**