

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 Soup, 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