

Ravi Tarun Prasad Nimmalapudi

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LinkedIn — GitHub — Portfolio

EDUCATION

Masters in Computer Science, Specialization in Data Science, Seattle, WA
Seattle University

09/2023 — 03/2025

GPA: 3.5/4.00

Bachelor of Technology in Computer Science, Visakhapatnam, India
Gitam University

04/2017 — 04/2021

CGPA: 8.33/10

SKILLS

- Machine Learning, Data Science, Computer Vision, Big Data, Data Visualization, AWS, PyTorch, Automation
- **Programming:** Python, C
- **Tools:** Git, Docker, Tableau, MF OO, MF RPA, MF IDOL, Flask
- **Databases:** MySQL, PostgreSQL, SQL Alchemy

EXPERIENCE

Graduate Teaching Assistant

09/2024 - 01/2025

Seattle University

Seattle, WA, USA

- Supported students under **Professor Jules Bloomenthal** in the *CPSC 5700: Computer Graphics* course by **explaining complex concepts**, assisting with problem-solving, and providing fair, constructive feedback on assignments and projects.
- Ensured timely grading and assistance whenever needed, helping students with their assignments and grasp key concepts easily.

Technology Consultant

06/2022 - 12/2023

Micro Focus

Bangalore, India

- Worked in **multiple roles across various projects**, contributing to automation, process optimization, and software enhancements for financial and insurance-based applications using RPA and Operations Orchestration.
- Gained hands-on experience in software development, testing, and tool integration while working on major enhancements, banking use cases, and innovative projects.
- Worked as an **Offshore Developer** to enhance automation for a bank called **'Westpac'** using **Micro Focus Operations Orchestrations**, improving process efficiency and reducing manual intervention.
- Worked as a **Junior Developer** to develop an end-to-end automation flow for an insurance company called **'BISL'** using **Micro Focus RPA**, where a robot mimics the act of filling out insurance forms using email-provided details, reducing form completion time from **7-8 minutes (manual) to 2 minutes**. Additionally, **led client calls** to understand requirements and align automation solutions with business needs.

Intern

05/2021 - 08/2021

Indian Servers

Vijayawada, India

- I participated in a summer internship where I learned fundamental machine learning concepts and gained hands-on experience through practical exercises.
- Developed a **'Traffic Signs Prediction'** application as a final project, aimed at assisting autonomous vehicles in recognizing and responding to road signs efficiently.

PROJECTS

DVPO StaG

01/2025 - 03/2025

- Developed a chatbot leveraging **Large Language Models** to assist domestic abuse survivors in filing **Domestic Violence Protection Orders** in Washington state.
- The chatbot automates survivor interviews, extracts legally relevant details, and **generates structured statements** to streamline the petition filing process.
- **Built on Meta Llama 3.1 with RAG integration**, enabling accurate, up-to-date legal definitions and procedural guidance while incorporating simple, soothing UI with **multilingual support and voice interaction**, ensuring maximum accessibility for survivors.

Customer Segmentation on Retail Data

09/2024 - 12/2024

- Developed a customer segmentation project aimed at categorizing customers into distinct clusters based on **Monetary, Frequency, and Recency (RFM) metrics**, enabling businesses to better understand customer behavior and engagement patterns.
- Successfully implemented **clustering algorithms** to identify meaningful customer groups, allowing for targeted marketing strategies, personalized retention plans, and improved business decision-making.