KARTIK UPPALAPATI

Current Address	Kartik0109@gmail.com	**Permanent Address**
2502 Packard St Unit 2404, Ann Arbor MI, 48104	(913) 343-3299	559 Purple Sage Lane, Simi Valley CA, 93010

EDUCATION

Purdue University   **August 2018 – December 2022**

Bachelor of Science in Computer Science, Minor in Mathematics

PROFESSIONAL EXPERIENCE

General Motors, Warren, MI (*Data Analyst***)**   **August 2023 – Current**

- Played primary role in project aimed at identifying methods of standardizing various streams of data across multiple programs and teams enabling automatic parsing and uploading of data that was previously being lost. My contribution included being the primary data expert on the team by delivering data-driven insights and interpreting complex datasets as well as creating Python scripts and SQL queries to move and analyze the data.
- Assisted in project to create Data Visualization for engineers across various teams to quickly process and analyze data. Using virtual machines and cloud deployment services, helped resolve bugs and provide insight into efficient data processing.

General Motors, Warren, MI (*Software Engineer***)**   **January 2023 – August 2023**

- Managed various teams and groups on radars for electric propulsion vehicles used in super cruise and automated driving systems.
- Led project with Radar Expert involving the validation and correlation between virtual and physical testing. Explored possibility of using predictive modeling to determine problem spots with the model. Results of the project will strengthen the growth of predictive model technologies and save money and time by removing the need for physical testing.

Engineering Innovation, West Lafayette, IN (*Associate Software Engineer***)**   **September 2020 – August 2021**

- Created new features and refactored legacy code (Python) in frontend and backend and performed code reviews.
- Responsible for project dedicated to exploring and using natural language processing techniques to improve customer search results. Using Elastic Stack technology, PyTorch models, and Prompt Engineering to fine tune client search requests.

Mind Mantra Tutoring (*CFO***)**   **September 2020 - Current**

- Spearheaded the design, implementation, and deployment of a machine learning algorithm to determine best pricing system for various classes using competitive pricing, customer profiling (website clicks and year-long pricing data), and school seasons as key factors leading to 15% higher customer retention rates.
- Constructed database, backend, and frontend for management of finances and client information.

Willis Towers Watson, Remote (*Cloud Engineer Intern***)**   **June 2020 – August 2020**

- Responsible for maintaining SQL databases and performing analysis on user data using Azure Databricks.
- Assisted in building machine learning algorithm on user data to enable smart predictions in client applications.

Willis Towers Watson, Nashville, TN (*Software Engineer Intern***)**   **June 2019 – August 2019**

- Used Microsoft Powerapps to create an application which allowed clients to view and update insurance policy information.
- Handled proper database organization and analysis of collected data to further improve app's efficiency.
- Led meetings involving the production of app along with required documentation needed for a platform launch.

SKILLS & PROJECTS

- **Skills:** Python (4 years), C (3 years), C++ (1 year), Java (5 years), JavaScript, SQL, PyTorch, TensorFlow, R
- https://www.linkedin.com/in/kartik-uppalapati-9a6292187/   https://kartikuppalapati.github.io