**PRASHANT G C | prashantgc2000@gmail.com | (940) 249-5460 |** [**GitHub**](https://github.com/prashantgc900) **|** [**LinkedIn**](https://www.linkedin.com/in/prashant-gc-6886aaa5/)

# TECHNICAL SKILLS

**Technology:** MYSQL, Power BI, Tableau, Trello, Jira, Visual Studio, Water Fall / Agile Methodologies

**Languages:** Python, JavaScript, React JS, jQuery, Java, C#, C, C++

**Data Science:** Data Modeling, Data Visualization, Business Intelligence, Statistical Analysis, Advanced Microsoft Excel

# EDUCATION

## Texas Tech University | Lubbock, Texas *Aug 2021 – May 2023*

Master’s in Computer Science GPA: 3.88

* *Coursework: Machine Learning, Algorithms, Data Structures, Operating Systems, Web Development*
* *Publications: Akchurin, N., et al. “Deep Learning Applications for Quality Control in Particle Detector Construction.” ArXiv.org, 16 Mar. 2022,* [*https://doi.org/10.48550/arXiv.2203.08969.*](https://doi.org/10.48550/arXiv.2203.08969)

# EXPERIENCE

## Advanced Particle Detector Laboratory, Texas Tech University | Lubbock, Texas

***Data Engineer / Data Analyst*** *October 2021 – Present*

* Builds a Web Interface using Python and Flask to digitize the process of Quality Assurance Testing on Silicon Sensors
* Implements the Yolov5 Object Detection algorithm to determine the location of anomalies in the silicon sensor images
* Develops Machine Learning Models that detect anomaly 97% of time while generating silicon images
* Uses MySQL, Python and MS Excel for data cleaning and filtering
* Contributes to building a dataset of silicon sensor images and speeding up Quality Assurance Automation process by 15%
* Certified in : The Ultimate MySQL Bootcamp: Go from SQL Beginner to Expert and Python – Introduction to Data Science and Machine Learning

## Grow By Data | Kathmandu, Nepal

***Data Analyst*** *September 2019 – July 2021*

* Developed a Python script using selenium and pandas library that generates daily excel reports for clients purchase by scraping information from suppliers invoice saving clients 45 minutes per report
* Implemented SQL scripts to generate clients custom sales reports that provided insights to increase client sales by 5%
* Supervised 7 Junior Data Analysts regarding Data Collection, Data Cleaning and Data Visualization
* Automated product upload procedure on clients Shopify stores using Selenium in Python reducing total upload time by 25%
* Built a dashboard in Tableau which eventually helped the client to make a better plan to improve sales and profit

# PROJECTS

## Animal Classification and Detection | Python [| GitHub](https://github.com/prashantgc900/Animal-Classification-and-Detection)

* Created web interface using Python and Django to allow users to upload images and view results for animal classification and detection
* Achieved 96% accuracy with implementation of Yolov5 to determine location of the animals in images
* Performed Transfer Learning with MobilenetV2 to create multilabel classification model for animals classification with 98% accuracy
* Filtered collected data and images using Python pandas and matplotlib libraries
* Developed a Python script to download animal images from various sites (Google, Pixabay, Unsplash) for building images dataset

## Phishing Website Detection by Machine Learning | Python | [GitHub](https://github.com/prashantgc900/Phishing-Website-Detection-by-Machine-Learning)

* Developed the software on Jupyter Notebook IDE that classifies websites as phishing or non-phishing
* Implemented Decision Tree, Random Forest and K-Means Clustering machine learning models in Python to train dataset and compare the model’s performance on test dataset
* Extracted Address Bar, Domain and HTML & Javascript based features from websites to create test dataset
* Used Random Forest on test dataset achieving 92% precision and 94% recall

## Money Laundering Detection | Python, React JS

* Created Machine Learning Model to take the data from static rule based ALM systems and classify them as Fraud or Not Fraud
* Used Pandas to perform data cleaning and data analysis on the PaySim Data available from Kaggle
* Implemented 7 machine learning models on the dataset and compared their performance
* Developed the interactive web Interface using HTML/CSS and React allowing users for uploading CSV files
* Implemented Chart JS on the frontend for visualization of plots