

NEETHU IGNACIOUS | +1 437-988-2067; neethu.ignacious@outlook.com |
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SUMMARY OF QUALIFICATIONS

- Passionate about Data Science and Analytics to bring innovative solutions to leverage data to make business decisions.
- 1.5 years' experience in data mining, processing, training, evaluation, and building of machine learning, deep learning models, database concepts, and good programming expertise in Python.
- Organizational, interpersonal, and presentation skills developed and instilled through past work experiences by interacting with clients globally.
- Proven problem solving and exceptional multitasking abilities to adhere to project deadlines advanced through previous job roles.
- Creative and curious team collaborator with a passion for learning through experiences and a vision of extending prototypes to fully functional solutions with minimal guidance.
- Excellent communication skills and articulate technical topics to non-technical business users.

EDUCATION

Ontario College Graduate Certificate (Artificial Intelligence and Machine Learning) Jan 2020 - Present

Lambton College, Toronto Ontario

- Cumulative GPA: 3.67/4.0
- Relevant coursework: Python Programming, Machine Learning, Deep Learning, Statistics

Bachelor's in Technology (Computer Science)

Jun 2011 - Apr 2015

University of Kerala, Trivandrum India

- Cumulative GPA: 3.2/4.0
- Relevant coursework: Programming in C and C++, Mathematics and Statistical Analysis, Software Development Life Cycle (SDLC)

PROFESSIONAL CERTIFICATIONS AND TRAINING

- Azure Artificial Intelligence Fundamentals (AI-900) issued by Microsoft **Jan 2021**
- Data Analysis with Python issued by Internal Business Machines Corporation (IBM) **Jan 2021**
- Azure Data Fundamentals (AZ-900) issued by Microsoft **Mar 2021**
- Python and Data Science four months interactive course completion certificate issued by Edure **Dec 2020**

SKILLS

Analytical Tools: Tableau, Power BI

Big Data and Machine Learning: MongoDB, MYSQL, Python (scikit-learn, NumPy, pandas, TensorFlow)

Programming Languages: Python, SQL

Platforms and Softwares: Anaconda, Jupyter Notebook, Pycharm, Spyder

WORK EXPERIENCE

Enterprise Solution Developer - UST Global - Trivandrum, India

Feb 2017 - Nov 2020

- Created and configured enterprise applications like Oracle Peoplesoft and Oracle Integration Cloud instances, managed databases, and executed SQL queries to troubleshoot instance issues.
- Took accountability of the entire Oracle Integration cloud project deployments and communicated and collaborated with database administrators and technical teams to fix production issues.
- Attained spot award for proactively helping the development team solve a critical business impact resulting in a security breach and implemented a temporary workaround within a day following the organization's best practices.

System Analyst - UST Global - Trivandrum, India

Jan 2016 - Jan 2017

- Resolved various IT problems like desktop/laptop hardware & software issues, authentication and access-related, external collaboration servicing tool and configuration issues with mobile device management and web conferencing services.

- Exceeded the floor metrics by attaining a first call resolution rate of 90% within two months of joining the team with minimal supervision and awarded as the best performer for self-directed and critical thinking for engaging in implementing a shift roster to track records.
- Achieved a 99% customer satisfaction score adhering to the service level agreement (SLA) during the team's entire tenure.

ACADEMIC PROJECTS

Pick your Favourite Dessert

Jan 2022 – Present

- Performing web scraping using **Beautiful Soup** Python package to extract and explore desserts data and committing data wrangling.
- Implementing a content-based recommendation system using cosine similarity, building a recipe builder and a chatbot by applying **natural language processing** (NLP) techniques.

Plant Leaf Disease Prediction

Oct 2021 - Jan 2022

- Collected data and performed data analysis with Python for plant leaf disease classification.
- Identified process improvement by reviewing current processes and performed modifications in the workflow, which enhanced the model performance.
- Performed Data Augmentation to increase the diversity of data by cropping, padding, horizontal flipping, etc. Evaluated transfer learning models to detect the infected leaf class.
- Achieved cross-validation **accuracy of 98%** with ResNet152V2 model and used **Flask** web service of Python for web development.

Customer Churn Prediction

May 2021 -Aug 2021

- Implemented classification models for the churn dataset to get insight whether a customer will leave the bank or not. Performed data cleaning and used data visualization techniques to find the distribution of the dependent variable and correlation in the data sets.
- Build different classification models like Logistic Regression, K Nearest Neighbours, Support Vector Machine, Random Forests, **XGBoost**, **LightGBM**.
- Achieved maximum accuracy score of 91% with LightGBM hyperparameter optimized model.

Real Estate Price Prediction

Jan 2021 - April 2021

- Performed predictive analytics using data load and cleaning, outlier detection and removal, **feature engineering**, **dimensionality reduction**, gridsearchcv for **hyperparameter tuning**, k fold **cross validation**.
- Implemented python **flask** server that uses the saved model with the highest accuracy of 85% to serve http requests.

VOLUNTEERING

Special Events Coordinator -Network of Women Ussociates - Trivandrum, India

Jan 2018-Nov 2020

- Worked for the development and mentoring of women employees in UST Global organization.
- Organized food fest and 100% of fete's proceeds were given as scholarships to 24 students in a palliative care unit.
- Arranged Zumba and yoga classes twice a week for two months to relieve stress in women.