

SUMMARY

Experienced Engineer with a demonstrated history of working in Artificial Intelligence and Data Analytics projects. Skilled as an instructor and presenter. Strong research professional, pursuing a master's degree in Data Analytics Engineering at George Mason University, Fairfax, VA. Motivated & hardworking individual, seeking challenging Co-op / Internship opportunities.

EDUCATION

Masters - Data Analytics Engineering George Mason University, VA	Aug 2021– Expected May 2023 GPA: 4/4
B. Tech - Electronics and Communication Engineering G. Narayanamma Institute of Technology & Sciences	Jun 2014 – May 2018 GPA: 3.5 / 4

COMPUTER SKILLS

Languages: Python, Java, R, SAS, SQL, C, C++, Python, HTML, PHP, Vertica, VBA Excel, Cloud Architecture, DevOps

Technical Tools: Google Cloud Platform (GCP), Amazon Web Services (AWS), R Studio, Tableau, AWS/Cloud Computing, Excel, Power BI, GUI, NVIDIA TX1/TX2, MATLAB, OpenCV, Tensor Flow, Linux

Software tools: Microsoft Office Products (Outlook, Teams, PowerPoint, Word, Excel), Prezi, Adobe Premier Pro, Adobe Photoshop, Adobe After Effects, R Studio, Tableau, AWS/Cloud Computing, MATLAB, OpenCV

RELATED WORK EXPERIENCE

Instructor- Mason Life Support, Fairfax, VA	Aug 2021 – Dec 2021
<ul style="list-style-type: none">• Provided academic guidance to undergraduate students with their weekly assignments, classes, and projects• Guided and proofread weekly assignments, classes, and projects of specially abled students.• Prepared weekly reports to assess their progress and coordinated with their professors in the times of need• Accompanied them with their classes and helped them answer any doubts	
Instructor- White Hat Junior, Bangalore	July 2020 – Apr 2021
<ul style="list-style-type: none">• Instructed, educated, and trained more than 30 students from all over India on the concepts of python programming by developing gaming apps such as Trex, Ghost & Snake ladder, etc.,• Taught basics of AI and MI Projects online to young students• Tested the students understanding and outputs by conducting cap stone projects and quizzes• Coordinated with their parents and reported student's performance and feedbacks• Awarded as the best outstanding teacher with knowledge & skills at the professional level in basic apps development	
Larsen & Toubro Technology Services Limited, India(AI ENGINEER)	Jun 2018 – Apr 2020
<ul style="list-style-type: none">• Developed and executed Machine Learning algorithms for NLP models• Worked in Artificial Intelligence domain which deals with various R&D projects such as semi-autonomous parking assistance system, autonomous object detection and labeling for cars• Developed algorithm for parking assist system and panorama video stitching GUI using Neural Networks• Optimized and ported ADAS algorithms (Machine learning & Deep learning) into several platforms such as NVIDIA TX1/TX2 and achieved real time performance• Tested and trained the object detection algorithms with deep learning and machine learning architecture	
Driver drowsiness detection	Jan 2018- May 2018
<ul style="list-style-type: none">• Developed an intermediate Python project to build a drowsiness detection system that aims to detect the driver's eyes when closed for a few seconds and will alert the driver when drowsiness is detected• After input of data image into the model, Region of Interest (ROI) is created and passed to the classifier which detects whether the eyes are closed or not and a sound to alert the driver is played accordingly• Used tools such as Open CV and Python	

- Worked as the Project Manager for the Database project
- Managed teamwork of cleaning, Filtering, and validating a huge dataset of Images
- Created work schedules, agendas, provided references, coordinated interactions, recorded minutes of various client and internal meetings
- Followed client's feedback and researched market trends for innovative ideas required for our R&D project
- Assisted senior engineers with the new pursuits and was involved in business development studies
- Planned a flexible budget for the different technical parts and presented to the clients and manager and continuously coordinated with them

DATA SCIENCE RELATED PROJECTS

Visualizations and Programming of Housing data using Tableau and RStudio:

Oct 2021- Dec 2021

- Produced a detailed data analysis report on house sales of the houses present in King County, USA which will help users/home buyers to properly visualize and make decisions based on various factors
- Developed visualizations of housing sales using RStudio and Tableau
- Developed a code for designing multiple linear equations and best subset selection of housing data using R Studio
- Verified results between visualization of Tableau & linear equations, Decision Trees, Random Forests formed with R studio
- Used tools such as Tableau and R studio

Data Analysis of 2019 California Car Accidents using Power BI and Python:

Aug 2021- Oct 2021

- Produced a data analysis report on the insights of 2019 California Car accidents - <https://caaccidents2019.blogspot.com/2021/12/2019-california-car-accident-insights.html>
- Extracted, Filtered, cleaned, and grouped various attributes to construct meaningful and understandable database using Restful APIs in Python
- Created bar charts, Map visualizations, Scatter plots and many other visualizations using Power BI to have in depth analysis of accidents
- Used statistical testing methods such as One-way Anova, Independent Sample T-test to cross validate the results

Library Management System using SQL:

Jun 2018 – Apr 2020

- Automated the library activities such as creating a new student, giving books to the students, maintaining the details of all the items that were available in the books.
- Created Book_Details, Student_Details, Staff_Details tables and linked them with each other by SQL commands
- Used DBMS and RDBMS to create manage, update, and store these datasets
- Worked to computerized customer service system
- Helped the librarians by providing information such as total copies available each book, list of books that belong to a particular category (Short, Long Loan, Reference items, etc.).

EXTRA CURRICULAR ACTIVITIES

- Worked as a Technical Assistant at George Mason Life Organization for supporting specially abled students.
- President of Adrenaline Innovation Club
- Member of National Social Service (NSS), Rotary comity and Parivartan (NGO's)
- Lifestyle Blogger on WordPress called "The Freestyle Wardrobe"
- Organized corporate events such as "Council of Engineers", "Chiguru" and various quizzes