Dhayanithi RamaraJ

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# Professional Summary

Results-driven IT enthusiast with a knack for problem-solving and a passion for innovation. Proficient in SQL, Python, Tableau, Java, and more. Currently pursuing a Master's in Psychology and Education, offering a unique blend of technical expertise and understanding of human behavior. Proven track record in leading impactful projects like Fourier Transform Analysis for Image Compression. Ready to drive innovation and make a meaningful impact in any IT role

# Skills

**Technical Skills :**

 Programming Languages: SQL, Python, Java, Go, PowerShell

 Database Management: SQL (MySQL), Database manipulation languages (DLL, DML, TCL)

 Web Development: HTML, CSS, Javascript.

Software Tools: VS Code, GitHub, MongoDB, Microsoft Azure, Kali Linux, Nmap, Nikto, Splunk, LogRhythm, Redhawk.

 Data Analysis and Visualization: Python, Tableau, Microsoft Excel

 Operating Systems: Linux environments

**Soft Skills** :

 Attention to detail

 Problem-solving

 Solid ability to prioritize, manage, and perform multiple tasks

 Able to work individually and within a team

 Excellent written and verbal communication skills

 Effective time management

**Experience**

**Internship and Training** , 01/2024 to Current

**Edureka** – Online

Currently enrolled in Edureka's Cyber Security internship and training program, focusing on learning cybersecurity tools and methodologies.

Working on a project to identify IP addresses and prevent data leaks using Kali Linux and Nmap. Gaining practical experience in incident detection, analysis, and response, along with malware analysis skills and understanding of network security principles.

Demonstrated strong attention to detail and problem-solving abilities in executing cybersecurity tasks.

**Data Analyst Intern**, 02/2022 to 04/2022

**Capgemini** – Bangalore, India

Shadowed daily activities of office staff, gaining understanding of Data Visualization tools and implementing them in various case studies and projects.

Acquired skills in Tableau, Python, SQL, and DBMS through hands-on projects.

Completed Google Certification in Data Analytics as a metric of assessment.

Collaborated on a housing crisis case study, contributing to strategic solutions.

# Education

**Applied Data Science Lab Boot Camp**: Apr 2024

**World Quant university** - Remote

Currently enrolled in a 16-week boot camp focusing on data science projects.Gaining hands-on experience in querying databases and constructing predictive models.Collaborating with peers on real-world data analysis challenges.

Developing proficiency in data wrangling, analysis, and visualization techniques.

Leveraging industry-standard tools and methodologies for effective problem-solving.Actively participating in interactive learning sessions and receiving real-time feedback.

**B.TECH**: Computer Science Engineering, Mar 2022

**National Institute of Technology** - Karaikal, Puducherry, India.

Explored and learnt Java, Web Development, SQL, Postgresql, Python, Golang, Artificial Intelligence ,DBMS concepts and networking concepts.during my four years of study. Coursework in "Principles of Music and Computer Science: A Mathematical Approach" we team of two have discovered 4 new theorems.

Field of study Software and applications development and analysis Finalgrade7.48, with first class.

Thesis: "Exploring the relevance of Mathematical Transforms using Image Analysis using Python, SQL, and critically analyzing the results.

**Master of Science**: Psychology, Sep 2024

**University of Sheffield** - Sheffield, United Kingdom

Sheffield which accredited by BPS. I am currently doing thesis on How music influences people's mood, will be collecting data from participants and perform data analysis like python for interpreting data and visualization tools over the people's data to draw a conclusion about whether music have effects or not.Its basically a quantitative Analysis over the data.

Currently working on a thesis: "How music influences people's mood” , the data will be collected using Gorilla software and I will be analysis to uncover pattern using Python.

# Accomplishments

## International Conference

 Exploring the relevance of Mathematical Transforms using Image Analysis " is an research topic where we have used various Mathematical transforms like Cooley Tukey algorithm, etc in image Analysis technique.

 We team of two published our research paper in an International conference conducted by SKIT Jaipur with collaboration of University in Turkey.

 The main idea of the research topic is to analyse an image using Fourier analysis and try to find the method which does image analysis in much efficient manner.We found cooley Tukey a fourier analysis produced the result of O(n) complexity and it is the fastest time we can compute.

 Python for data visualisation and manipulation , MangoDb for database, Ramanujan mathematical idea to compute

and validate runtime.

## Projects

**Network Project Execution and Troubleshooting**

 Executed a Cisco Packet Tracer project, managing packet transmission, data authentication, and server node troubleshooting within the TCP/IP framework.

 Identified and resolved network issues promptly, showcasing adept problem-solving skills and contributing to seamless project completion.

 Collaborated with cross-functional teams, ensuring on-time and budget-friendly project delivery.

 Acquired practical expertise in network protocols, including TCP/IP, and proficiently utilized Cisco Packet Tracer for hands-on learning.

## Housing Crisis Case Study :

 Analyzed housing crisis data using Python, contributing to strategic solutions

Conducted a comprehensive case study on the Housing Crisis in Mexico, sourcing data from a governmental organization's website

 Utilized Python for data analysis and implemented data wrangling techniques to uncover patterns in the housing crisis data

 Identified key insights and proposed strategic solutions as part of the project

 Demonstrated proficiency in Python programming and data analysis tools, contributing to a holistic understanding of the housing

# Language

**Tamil**, Native

**English**, Advanced

**German**, Conversational