

Pavan kumar Madavaram

+1-(216)-333-5036 | pavankumarrao05@gmail.com | <https://linkedin.com/in/pavan-kumar-648714157>

OBJECTIVE

A highly motivated analyst with vast knowledge in interpreting, analyzing and reconciliation of data obtained from a variety of sources. Proficient with the prevailing analytical tools, various presentation software and possesses strong and effective communication skills essential in conveying results in analysis and investigations conducted. Through development of personal projects and a valuable internship, I have learned the importance of having an iterative, hypothesis-oriented approach to analysis.

EDUCATION

Master of Science in Computer Science Cleveland State University, Cleveland, Ohio	2021 – 2022 3.5 GPA
Bachelor of Technology in Computer Science and Engineering SRM University, Chennai	2015 – 2019 6.9 CGPA

PROFESSIONAL EXPERIENCE

November 2019-September 2020

ANDROID APP DEVELOPMENT

- Worked on [AQUA TEXMO] using [JAVA PROGRAMMING LANGUAGE] in HP company. Worked as part of back-end development team in projects using PHP and MySQL database.
- Gained exposure in end-to-end development of software products, from requirement analysis to designing, coding, and testing.
- Perform regression testing & User Acceptance Testing on behalf of End Users at client's environment in SPIRO SOLUTIONS PVT LTD.
- Executed test cases manually to detect potential defects.

PROJECTS

BRAIN TUMOR DETECTION AND CLASSIFICATION USING IMAGE PROCESSING AND DEEP LEARNING **Present**

- The main goal of this project is to detect and categorize the brain tumors using an MRI image segmentation and prediction with deep approaches.
- This saves a lot of time in manual brain image analysis. At the same time, this domain suffers because of robustness issues in terms of accuracy.
- This manuscript mainly focuses on existing DL techniques of segmenting and classifying brain tumors. In addition, publicly available datasets are also discussed.

MYCARDIAL INFRACTION PREDICTION ON PATIENTS

September 2021-December 2021

- The purpose of this project is to test the e-commerce web application development for selling and keeping inventory of the watches online by a user-defined brand.
- The basic task is that the user can walk through the web pages and select the watch that the user desires.
- The user can add or remove the item from the cart and place an order either by paying through cash or PayPal.

AIBNB PREDICTION

February 2021-March 2021

- Creating a predictive model for price using linear regression with a Mean squared error (MSE) of 0.18 and ML models – Random Forest and Gradient boosting with an MSE of 0.14. Identified factors contributing to the price and recommended initiatives to help new hosts decide price.
- Classifying customer reviews as positive / negative based on sentiment polarity scores and created comparison clouds that help the existing host understand customer preference & ensure customer satisfaction.

TIME PARSER

January 2019-April 2019

- Parse the strings or time log files to objects of the datetime-module.
- This module intends to make string-parsing to datetime-objects as easy as possible while allowing a fine configuration about which kind of formats are supported.
- Using Top-down recursive-descent method the interpreter parses and evaluates a very simple programming language

Python.

AQUA TEXMO

March 2016-June 2016

- Android development using java. App development for the purchasing Products by using the app.
- It provides an easier way to the dealers for the order fulfillment of the customers reducing a lot of paperwork and by maintain all the records of the orders online.
- This dealer management system is a suitable way of ordering and purchasing of the hardware materials by the dealers.

TECHNICAL SKILLS

Tools & IDEs – MS Word, MS Excel, Google Sheets, MS Power Point, PyCharm, Eclipse, Base SAS, Tableau, Tensor Flow, Base SAS.

Programming Languages – C, C++, Java, Python, SQL, MATLAB, Big Data Hadoop, Testing & experimentation.

Operating Systems – Linux, Unix, Windows, MAC.

Databases – Microsoft SQL server, MySQL.

Software – MS Office, Adobe Photoshop, Visual paradigm.

CERTIFICATIONS

JAVA – Secured 60% in Java certification from NIIT.

C and C++ - Skilled 82% in C and C++ programming.

BRITISH COUNCIL – Secured 80% in the SPOKEN ENGLISH INTERMEDIATE M2 course.

PYTHON TRAINING, MACHINE LEARNING, R, BIG DATA HADOOP – Certified by IntelliPaat.