**Shwetha S**

**PROFILE**

A passionate, curious, and aspiring Computer Science engineer, seeking an entry level position at a reputed organization, preferably in the area of Machine Learning, Mobile App Development, Web Development and related fields, so as to gain practical experience and showcase existing creative and technical expertise, thereby significantly contributing to the growth of the organization.

**EDUCATION**

* **B.Tech** **Computer Science and Engineering**

**CGPA – 8.85 / 10 2019-2023**

Amrita Vishwa Vidyapeetham

* **Class 12** – 91.8% **2019**

Institution: Bharathi Matriculation Higher Secondary School, Coimbatore

* **Class 10** – 97.6% **2017**

Institution: Avila Convent Matriculation Higher Secondary School, Coimbatore ·

**TECHNICAL INTERESTS**

Machine Learning / Data Science   
Mobile Application Development   
Web Development

**PROJECTS**

**Payment Wallet – Flutter Mobile Application**   
· Duration/Period: February 2022 - May 2022 (4 months)   
· Objective: To build and test an online payment wallet app for making digital transactions.

· Tools or techniques used: Flutter, MongoDB, Flask, NodeJS, ExpressJS, Flutter Driver, Heroku   
·Outcome: A fully functional app using which we can scan QR Codes to transfer funds, chat with other users, analyse our expenditure through reports and also make use of EMI and currency calculators and converters.

**Cluster Analysis of Gene Expression Data**   
· Duration/Period: August 2021- November 2021 (4 months)   
· Objective: To build a ML model for survival analysis of breast cancer patients using gene expression data.

· Tools or techniques used: Python, K-Means Clustering Algorithm, Kaplan Meier Estimator · Outcome : A clustering ML model that estimates the life expectancy of patients with breast cancer.

**Habit Tracker - Android Application**   
· Duration/Period: September 2021- November 2021 (3 months)   
· Objective: To develop an Android Application that helps people acquire new productive habits or to break old ones by keeping track of their daily activities/entries and by hosting challenges.

· Tools or techniques used: Android, Firebase   
· Outcome: Successfully built an android app that helps to track and regulate habits.

**Voice Based Transport Enquiry System (DBMS)**· Duration/Period: August 2020- November 2020 (4 months)   
· Objective: To design a Relational Database for Railway Transport System and to develop a Voice -Based Enquiry System with the aid of this database.

· Tools or techniques used: SQL, Android, Java (Swing), Firebase   
· Outcome: Developed a Voice Assistant application to answer railway-travel related queries.

**TECHNICAL SKILLS**

Python, Flutter, MongoDB, NodeJS, ExpressJS, Heroku, Flask, Firebase, SQL, Java

**INTERNSHIP**

**C3i Hub, IIT Kanpur**· Duration/Period: May 2022 – June 2022 (Ongoing)  
· Objective: To build a Machine Learning model to parse web logs, identify cyber attacks and classify them as either automated attacks or manual attacks.

· Tools or techniques used: Python, ML Algorithms.

· Outcome: A Machine Learning model to classify sessions in web logs as attacks and to identify their type.

**CERTIFICATIONS**

Microsoft Azure Virtual Internship Program under Future Ready Talent (March 2022)   
Java Level 2 (December 2021)

Cloudy Predictions Workshop on Machine Learning in the Cloud (October 2021)  
Data Structures and Algorithms Course by Coding Mafia - Coding Club India (January 2021 - February 2021)

**LANGUAGES**

English, Tamil