Fraron Balsara

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WORK EXPERIENCE

Tata Consultancy Services   **Remote, India**

Engineer II – American Express Group Client   Nov 2021 – Present
- Working as a part of the Financial Data Engineering team
- Developed a cloud platform for the client leveraging ProcessUnity Software.
- Assisted the client in migrating their data from a legacy .Net platform to the cloud in ProcessUnity.
- Continuously developing and improving the ProcessUnity platform created for the clients as per their requirements.
- Working in an agile environment utilizing Rally Software.
- Performing Unit Tests on all changes and modifications to ensure there are no defects.
- Creating relevant documentation for all my User Stories for future review and use.

Programmer/Developer II – American Express Group Client   Mar 2021 – Oct 2021
- Worked with the data migration team to write and test Python scripts to automate the process of converting legacy data into the revised format.
- Additional activities included having to retrieve legacy data, transform it using automation scripts and load the revised data into production.
- Completed it within the deadline with zero discrepancies.
- Worked on Python scripts to simulate production scores.
- Provided production support.
- Technologies Used: Python, Pandas, JSON, ProcessUnity, Excel.

Initial Learning Program (ILP)   Jan 2021 – Feb 2021
- ILP training was provided in C# and HTML/CSS/JavaScript and SQL technologies.

EDUCATION

Jain (Deemed-to-be University)   2021 – 2023
Master of Computer Application specializing in Full Stack Development   GPA: NA

Kishinchand Chellaram College (Mumbai University)   2017 - 2020
Bachelor of Science. Computer Science   GPA: 9.46/10
Activities: Tech Club, Kiran – Technical Team

PROJECTS

Air Hockey Android Game
- Brining the classic arcade Air Hockey game now to your android device.
- Objective of the game is to try and score goals by putting the puck in your opponent's goal.
- Has single player as well as a local multiplayer mode.
- The single player mode can be played at 3 levels of varying difficulty.
- The local multiplayer mode lets you challenge and play with a friend on the same device.
- Dynamic game sounds, victory animations and more.
- Built in Unity using C#.

Expense Manager Android Application
- An expense manager application to track income and expenses for better financial planning.
- Provides various categories of expenses like Education, Food, Luxury, etc. to help categorize and manage expenses.

- Displays all income and expense data entered systematically and allows the user to edit or delete it, if required.
- Provides pie chart and bar graph analysis of income and expenses on a weekly, monthly and yearly basis.
- Users can export PDF reports based on this analysis and share with others if needed.
- Created in Android Studio using XML and Java and is using a Cloud Firestore No-SQL database.

Python Discord Bot (Ferdinand)
- A discord bot written in Python using Discord.py and asyncio modules.
- It provides moderation features to kick, ban, mute and manage members with simple and convenient commands.
- Also, has an automatic profanity filter to delete messages that contain any sort of profanity automatically; to make moderation easier.
- Provides language translation for over 40 languages using simple commands.
- Moderators can start a random giveaway as well as a question-answer giveaway hassle free using one simple command.
- Provides a unique currency system of its own to play quick casino games like slots, roulette, blackjack and more to keep users engaged on your Discord server.
- The use of the asyncio module helps achieve synchronous programming so that it can run on multiple servers parallelly.
- Hosted on Heroku and is using a PostgreSQL database.

SKILLS & INTERESTS

Technologies: Python, Java, SQL, C#, HTML, CSS, JavaScript, ProcessUnity, Android Development (Most to Least Proficient)

Certificates: MTA Security Fundamentals, Developing AI Applications on Azure, Computational Thinking for Problem Solving, Digital MFDM™ AI Aware Certification, Process: ITIL Foundation Certification

Languages: English, Hindi, Gujarati, Marathi (Most to Least Proficient)

Interests: Gaming, Music, Chess, Cricket, Football, Badminton, Karting, Astrophysics, Planetariums