Gowtham Ravichandran

Software Developer

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[Portfolio](#) | [LinkedIn](#) | [GitHub](#)

As a dedicated SDE, I bring 10 months of experience in developing, designing and maintaining web application. My expertise lies in SQL, Python, ASP.NET, RPA and Data Analysis to streamline business processes and improve operational efficiency. I also have a proven track record of delivering innovative solutions and contributing effectively to cross-functional teams.

WORK EXPERIENCE

Senchola   *Sep 2023 – Dec 2023*

Data Analyst Intern

- Design report dashboard for **monitoring** business performance and decision making
- Identify business opportunities for the company through **business insights** from data
- Define new data collection and **analyze** patterns and trend in datasets
- Develop **4+ report** automation using Microsoft Excel, MS SQL and Power BI
- Perform quality control and monitor operation **KPIs**

*Skills Learned***:** Advanced Excel, Advanced SQL, Power BI

ClaySys Technologies   *Jan 2023 - June 2023*

Product Engineer (L1) [RPA Team]

- Developed **End-To-End** off campus placement drive portal for Claysys, encompassing over **10+** specialized modules tailored to student recruitment needs
- **Implemented** backend functionalities using C# and ADO.NET/EF to handle data operations efficiently
- Developed and **optimized queries**, **stored procedures**, **triggers** and **functions** to improve application performance using SQL Server
- Developed **8+ Ui modules** on the RPA Genie 8.0 project, resulting in a remarkable **75%** increase in user satisfaction
- **Responsible** for monitoring automated processes and **addressing** any issues promptly
- Experience in **BOT development** including designing, development and testing for employee monitoring task report
- Automated **daily** operational tasks using RPA Genie, resulting in significant **time savings** and **improved resource utilization**

*Skills Learned***:** RPA Genie, C#, ASP.NET, ADO.NET, MVC, SQL Server, JavaScript & Angular JS

TECHNICAL SKILLS

- **Programming Languages:** Core Java, Python, HTML, CSS, JavaScript
- **Database:** MySQL, SQL Server
- **Data Visualization Tools:** Power BI, Excel
- **Automation Tools:** RPA Genie, UiPath
- **Technologies:** Machine Learning, Git, GitHub, Agile development

CERTIFICATION - *LINK*

- Automation Developer Associate Training, UiPath Academy, Feb'24
- Data Analytics Essentials, Cisco Networking Academy, Nov'23
- Oracle Cloud Infrastructure Foundations Associate, Sep'23
- Foundation of Business Intelligence, Coursera, Aug'23
- Python for Data Science - NPTEL, IIT Madras, April'22
- SQL (Basics & Intermediate) – Hacker rank

PROJECTS

Off-Campus Placement Drive Portal Development for Claysys *[Company Project]*
- Designed **16**+ user interface for both recruiters and candidate's portal
- Implemented backend **functionalities** using MySQL to handle user authentication, data storage, and application logic
- Maintained and managed **11**+ database for backend functionalities
- Integrated third-party **APIs** and services for features such as job search, resume parsing, and interview scheduling, enhancing platform functionality
- Collaborated with **TL** to conduct **end-to-end** testing, integration tests, and validate system functionality and reliability
- Conducted debugging to identify and resolve issues

OXL Application Clone *[Company Project]*
- Designed and developed a **marketplace** application similar to OXL using ASP.NET, HTML, CSS, and JavaScript, ensuring a responsive interface
- Created and managed the SQL Server database schema, developing stored procedures and functions for efficient data operations
- Implemented user authentication, ad posting, searching, management, and image upload features for a comprehensive user experience
- Enhanced performance by **optimizing** database queries, minimizing server response times, and improving front-end loading speeds
- Provided ongoing maintenance and updates, using agile methodologies to manage and track project progress for timely delivery

Automated Employee Monitoring Task Report *[Company Project]*
- Designed and developed bots using RPA Genie and C# to automate the generation of employee monitoring reports
- Improved report accuracy and efficiency, aiding in better decision-making processes

Design and Analysis of Cryptographic Technique for Communication System
- Hybrid security cipher by combining the **two most important ciphers** such as Polybius Cipher and Vigenere Cipher
- This **hybrid encryption** cipher provides greater security as compared to classic ciphers
- *Tools & Languages used:* PyIDE, Python 3, Cryptography, Network Security & Algorithms

Design and Implementation of Anti-Counterfeit System using Blockchain
- It collects the **unique code** from the user and compares the code against entries in the blockchain database
- If the **code matches**, it will give a **notification** to the customer, otherwise it will give the notification to the customer that the product is **fake**
- *Tools & Language used:* Apache Netbeans, Wampsever, Spring Boot, Core Java & MySQL

Namma Yatri Analytics Dashboard *[Excel, SQL & Power BI]*
- Displayed trips details on dashboard that allow drivers to make informed decisions based on the data.
- It helps to increase the revenue at least by **10%** of next quarter

Loan Approval Prediction using Machine Learning
- Developed a loan approval prediction model with **80% accuracy on an 8000-row dataset**, enhancing lending decisions
- Conducted data pre-processing, outlier analysis and feature engineering on fields, improving model robustness

EDUCATION

Kongu Engineering College *Sep 2020 – May 2023*

*B.Sc., Information Systems, Full-Time with **CGPA:** 8.93*
Award: Best Student Placement Co-ordinator (2020-2023)