

Prajwal YP

Software Engineer

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Executive Summary

Highly motivated Software Engineer with a strong academic record (9.22 CGPA) and professional experience in database technologies and automation. Proficient in Python, C++, and SQL, with specialized skills in database design and building automation scripts. Proven ability to lead collaborative projects and adapt to new technologies like Git migration. Ambitious professional seeking to utilize technical skills to drive organizational growth.

Experience

- Oct 2024 – Present **Software Engineer, Excelsoft Technologies Pvt Ltd, Mysore**
- **Database Design & Management:** Working extensively with SSMS and PostgreSQL. Responsible for designing schemas, creating tables, views, functions, and User Defined Types (UDTs). Expert in writing and optimizing complex stored procedures to meet business requirements.
 - **Automation & Version Control:** Facilitated the migration from Team Foundation Server (TFS) to Git within Visual Studio. Developed Python automation utilities to extract files from Git commits and consolidate multiple stored procedure files into single executable scripts, significantly reducing manual deployment effort.
 - **Collaboration:** Collaborating with cross-functional teams for code debugging, data analysis, and ensuring efficient software delivery.

Education

- 2019 – 2023 **Bachelor of Engineering in Computer Science, Maharaja Institute of Technology, Mysore, CGPA: 9.22**
Graduated with distinction.
- 2017 – 2019 **Pre-university Course (Computer Science), Sheshadripuram Independent PU College, Mysore, 84.17%**

Technical Skills

- Languages Python, C, C++, Java, SQL, PHP, HTML, CSS
- Databases Microsoft SQL Server (SSMS), PostgreSQL, MariaDB, SQLite
- Tools & IDEs Visual Studio, VS Code, Git, Team Foundation Server (TFS), OpenGL
- Core Concepts Database Design, Stored Procedures, OOP, Data Structures, Automation Scripting

Projects

- Apr 2023 **Intelligent Chatbot (Final Year Project), Team Lead**
- Led a team of 4 to develop a comprehensive GUI application using Python and Open Source libraries.
 - Integrated features including AI hybrid chatbot, face unlock/analysis, automation commands, and cryptography for privacy.
 - Demonstrated expertise in software engineering principles to deliver a secure, high-quality solution.
- Oct 2022 **Secure Notebook, Academic Project**
- Designed an Android application for secure note storage using Java and XML.
 - Implemented an intuitive UI with text editing capabilities and integrated SQLite database logic.
- Sep 2022 **3D Home Visualization, Computer Graphics**
- Developed an immersive 3D simulation using C++, OpenGL, and GLUT libraries.
 - Built a comprehensive digital 3D home model featuring virtual camera perspective controls.
- Jun 2022 **Student Management System, Web Application**
- Collaborated in a team of 2 to build a robust web application using HTML, CSS, PHP, and MariaDB.
 - Designed an efficient UI for the storage and retrieval of student records hosted on an Apache Server.

Certifications

- Coursera **Supervised Machine Learning: Regression and Classification**
Learned regularization techniques to prevent overfitting and implemented gradient descent algorithms.
- Qspiders **Python Fundamentals**
Mastered advanced concepts including Lambda, Map, Filter, and Regex; focused on debugging complex programs.
- Thoughts **Full Stack Basics**
- Ignited Built interlinked webpages using HTML, CSS, and Bootstrap framework.
- Skolar **Artificial Intelligence**
Explored supervised learning, linear regression, and logistic regression models using Python.

Languages

- Kannada Native/Bilingual Proficiency
- English Professional Working Proficiency
- Hindi Intermediate Proficiency

Interests

Upskilling in new technologies, Chess, Badminton, Reading, Travelling