

JIGNESH S

E-Mail: jigneshs2811@gmail.com

Phone-No: +91 9750679330

Linked-in: www.linkedin.com/in/Jignesh2811

SUMMARY

Highly motivated and detail-oriented software developer with experience in Python, SQL, and data management. Proficient in Agile methodologies and version control systems. Strong problem-solving skills and excellent communication skills.

EDUCATION

Madras Christian College (Autonomous)

Tambaram, Chennai

Bachelor of Science in Mathematics; CGPA-7.7

June 2021 – April 2024

St. Joseph's Hr. Sec School

Chengalpattu

12th grade; CGPA- 8.2

June 2020 – April 2021

EXPERIENCE

Internship Experience

- **Company:** INDIAN OVERSEAS BANK
 - **Duration:** 04-12-2023 to 05-01-2024 (One Month)
 - **Focus:** Learned banking procedures and operations
 - **Accountabilities**
 - Gained insights into day-to-day functioning of the bank
 - Assisted in customer service and financial transactions
 - Acquired practical knowledge of banking activities
 - Contributed to a deeper understanding of the industry
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TECHNICAL SKILL

❖ Database:

- **SQL & Advanced Querying:** Proficient in writing complex SQL queries, including grouping, functions, subqueries, and joins (Inner, Outer, Self, and Natural) with a focus on efficiency.
- **Database Management & Design:** Strong understanding of RDBMS concepts, including constraints, relationships, and experience with Oracle Database for design and query optimization.
- **CRUD Operations & SQL Commands:** Experienced in performing CRUD operations and well-versed in SQL commands (DDL, DML, DCL, TCL) for robust data management.

❖ Programming Languages – PYHTON:

- **Python Programming & Control Structures:** Strong grasp of Python syntax, data types, variables, control structures, and string manipulation.
- **Data Handling & OOP Principles:** Proficient in data structures (lists, tuples, sets, dictionaries), file handling, and core OOP principles like classes, inheritance, and encapsulation for maintainable code.
- **Functions, Modularity & Database Management:** Skilled in defining functions, modular code organization, managing Python environments, and working with SQL databases using libraries like sqlite3.

❖ Django Framework Skills:

- **Django Framework & Architecture:** Proficient in Django installation, configurations, and MVC/MVT architecture for structured development.
- **Front-End & Database Integration:** Skilled in HTML response handling, URL mapping, template management, and database interactions with CRUD operations.
- **User Authentication & Admin Management:** Experienced in implementing user registration, login functionalities, and utilizing the admin console for efficient application control.

❖ Web Development Skills

○ HTML - 5

- **HTML Structure and Semantics:** Proficient in HTML syntax, structure, and semantic elements like <header>, <footer>, <article>, and <section> for improved accessibility and SEO.
- **Forms and Multimedia Integration:** Skilled in building dynamic forms with various input types and validation, as well as embedding multimedia (images, audio, video) for interactive web content.

○ CSS – 3

- **CSS Styling and Selectors:** Strong understanding of CSS syntax and selectors (element, class, ID, pseudo-class) for styling HTML elements, including text formatting, colours, backgrounds, and spacing.
- **Responsive Design and Layout Techniques:** Proficient in modern layout techniques like Flexbox and Grid, and implementing responsive design principles to ensure websites look great on all devices using media queries.

○ JavaScript

- **JavaScript Fundamentals:** Strong understanding of syntax, variables, data types, operators, and control structures (if-else, switch, loops).
- **Functions:** Proficient in defining and using functions with parameters, return values, and scope management.
- **Arrays and Objects:** Skilled in creating and manipulating arrays and objects for efficient data handling and representation.

PROJECT

❖ Library Management System – Mini project

- Developed an object-oriented library management system in Python with SQLite, featuring multi-user functionality for user registration, book borrowing/return, and borrowing history tracking, with robust exception handling and data validation.

❖ Mobile Shop Data Management System – Mini project

- Developed a Python-based data management system for a mobile shop using classes to manage inventory, track stock levels, and handle customer information, improving data organization and operational efficiency.

CERTIFICATE

❖ Q-Spiders - Python Full stack Development Certification

- Completed comprehensive training in front-end technologies (HTML, CSS, JavaScript) and back-end development using Python with frameworks such as Django, along with databases like SQL.
- Gained practical experience in building full-stack applications through hands-on projects and exercises, focusing on the integration of front-end and back-end systems.

❖ GTT Foundation - Barclays Lifestyle Programme

- Participated in a comprehensive lifestyle development programme focusing on personal growth, career skills, and professional development.

AWARDS

❖ Awarded 1st place in Adzap at Loyala College and Ethiraj College.

❖ Appreciated for providing esteemed support in organizing MCC Cube Open 2023, a speed cubing competition hosted by the Madras Christian College, Chennai

SOFT SKILLS

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|-------------------|---------------------|-------------------|
| • Problem-solving | • Collaboration | • Adaptability |
| • Time Management | • Critical Thinking | • Patience |
| • Leadership | • Teamwork | • Decision Making |

