

# HARSHIL SHAH

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## EDUCATION

### California State University Long Beach

Master of Science in Computer Science

Coursework: Software Engineering, Analysis Of Algorithms, Artificial Intelligence

August 2024 - April 2026

GPA: 3.67 / 4

### The Maharaja Sayajirao University Of Baroda

Bachelor of Engineering in Computer Science and Engineering

Coursework: Object-Oriented Programming, Database Management System, Operating System, Computer Networks

July 2019 - May 2023

GPA: 3.94 / 4

## EXPERIENCE

### Confidosoft Solutions

#### Jr. Software Developer

Vadodara, India

January 2023 - February 2024

- Implemented automated data extraction tools using Python libraries such as **Tesseract** and **PyPDF2**, processing over **10,000** PDFs monthly and reducing manual effort by **40%**.
- Optimized APIs performing **CRUD operations**, simplifying complex database queries and reducing execution time by **45%**, resulting in faster data retrieval and improved system performance.
- Developed a sports activity management platform using **Angular**, **PostgreSQL** and **Python**, enabling real-time tracking of player stats, attendance and performance, which improved usability for **100** plus sports teams and reduced manual data entry by **50%**.
- Led database testing and integration across **MSSQL**, **MySQL**, **Oracle DB**, **Informix**, **DB2** and **PostgreSQL**, leveraging **DataMapper** to ensure **99%** data accuracy and alignment between systems.
- Contributed to the deployment of **Neuron ESB endpoint hosts in Docker**, improving integration across hybrid environments and reducing deployment time by **25%**.
- Customized **Odoo ERP modules** to optimize Accounting workflows, Inventory management and HR operations, enhancing process efficiency by **35%** and accuracy in data management.

## PROJECTS

### HotelSphere

- Integrated a scalable hotel booking platform leveraging **Spring Boot** and **MySQL**, enabling real-time room management and streamlining booking processes for administrators and customers, improving booking accuracy by 50%.
- Designed an intuitive filtering system using **React** and **RESTful APIs**, allowing administrators to efficiently search and manage bookings by parameters such as booking ID, room type and guest composition, reducing operational overhead by 40%.
- Optimized system performance through advanced query optimization and asynchronous data handling, enhancing platform responsiveness by 30% and seamlessly supporting up to 500 daily transactions.

### MeraPe

- Engineered a payment platform with the help of **React Native**, **CSS**, **JavaScript**, **MongoDB**, **NodeJS** and **Firebase**, enabling schools to securely register and process fee payments from parents and guardians.
- Executed a discount feature with real-time notifications, offering 5% to 10% incentives for early payments while keeping users informed about payment status, deadlines and transaction history, boosting timely payments, improving cash flow and enhancing user engagement.

## SKILLS

LANGUAGES / DATABASES / TOOLS : C, C++, C#, Java, Python, .NET Core, Javascript, HTML, CSS, Bootstrap, SQL, React, Angular, SpringBoot, Django, MongoDB, Node.js, Firebase, GCP, MS SQL, Postgre SQL, MySQL, Git, VSCode, Eclipse-IDE, PyCharm

## CERTIFICATIONS

[Generative AI Certificate](#) | [Software Development Certificate](#) | [Google Cloud Skill Badges](#) | [HackerRank Certificate](#)