

# HARSH MANDALIYA

Software Engineer | Full-Stack Developer

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## PROFESSIONAL SUMMARY

Results-driven Software Engineer and Full-Stack Developer with proven expertise in designing, developing, and deploying scalable web and mobile applications. Strong proficiency in Python, Django, Java, Kotlin, JavaScript, C/C++, and .NET Core with hands-on experience in RESTful API development, database management (MySQL, SQL Server, Firebase), and responsive UI design. Demonstrated ability to lead cross-functional teams, manage complete software development lifecycle (SDLC), and deliver high-quality solutions that enhance user experience and operational efficiency. Passionate about emerging technologies, continuous learning, and solving complex technical challenges.

## TECHNICAL SKILLS

**Programming Languages:** Python, Java, C, C++, C#, Kotlin, JavaScript

**Frameworks:** Django, .NET Core, Android SDK

**Tools & IDEs:** VS Code, Android Studio, Git, GitHub, Firebase Authentication

**Web Technologies:** HTML5, CSS3, JavaScript, Bootstrap 5, RESTful APIs

**Database Systems:** MySQL, SQL Server, Firebase Firestore, Firebase Realtime Database

**Core Competencies:** SDLC, Agile Methodology, UI/UX Design, API Integration, Responsive Web Design

## EDUCATION

### Bachelor of Science in Information Technology (BSc IT)

2022 - 2025

Lok Jagruti University, Ahmedabad, India

GPA: 7.82/10 | First Class with Distinction

## PROFESSIONAL PROJECTS

### Assignment Tracking System

Backend Developer

Technologies: Python, Django, MySQL, Bootstrap, Pandas, RESTful APIs

- Engineered a comprehensive web-based platform for managing student assignments with role-based access control for teachers and students

- Implemented secure user authentication system using Django framework with session management and authorization protocols
- Designed and optimized MySQL database schema with normalized tables for efficient data storage and retrieval
- Developed RESTful APIs for assignment upload, submission tracking, and automated progress monitoring using Pandas for data analysis
- Improved task management efficiency by 40% through real-time monitoring dashboard and automated notification system

### **Restaurant Management System**

*Full-Stack Developer*

*Technologies: Java, Android SDK, Firebase Authentication, Firebase Firestore, Firebase Realtime Database*

- Developed a full-featured Android application for restaurant operations including menu browsing, order placement, and real-time order tracking
- Integrated Firebase Authentication for secure user login/signup with email verification and password recovery features
- Implemented Firestore database for storing restaurant menus, user profiles, and order history with offline data synchronization
- Utilized Firebase Realtime Database for live order status updates and push notifications to enhance user engagement
- Optimized app performance through efficient database queries, reducing data load time by 35% and improving user experience

### **Amazon Clone – E-Commerce Platform**

*Web Developer*

*Technologies: .NET Core, C#, SQL Server, Bootstrap, RESTful APIs, MVC Architecture*

- Built full-featured e-commerce web application with separate admin panel and customer interface using ASP.NET Core MVC
- Implemented complete product lifecycle management including product listing, search/filter functionality, shopping cart, and checkout process
- Designed normalized SQL Server database with stored procedures and indexing for optimal query performance and scalability
- Created RESTful APIs for product management, user authentication, order processing, and payment integration
- Developed responsive UI using Bootstrap 5 framework ensuring cross-device compatibility and seamless user experience
- Implemented security best practices including SQL injection prevention, XSS protection, and secure session management

## **CORE COMPETENCIES**

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**Technical:** Software Development Lifecycle (SDLC) | Agile/Scrum Methodology | Object-Oriented Programming (OOP) | Database Design & Optimization | API Development & Integration | Version Control (Git) | Code Review | Debugging & Testing | Performance Optimization

**Professional:** Team Leadership | Project Management | Cross-Functional Collaboration | Problem Solving | Critical Thinking | Time Management | Effective Communication | Quick Learner | Mentoring & Training

## **LANGUAGES**

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English (Fluent) | Hindi (Fluent) | Gujarati (Fluent)