

Sanket Sadadiya

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Examination	University	Institute	Year	CGPA/%
Graduation	GTU (AIML)	LDCE, Ahmedabad	2023-26	8.94
Diploma	GTU (IT)	GEC, Surat	2020-23	9.49
SSC	GSEB	Brilliant Vidhyalaya, Surat	2020	81.3%

WORK EXPERIENCE & INTERNSHIPS

- **Associate Software Engineer** | Speed Wallet (Jan'26-Present)
 - Built and enhanced a **Promo Code system** supporting promotional benefits **across cryptocurrency transactions**, including **Send, Swap and Plan Upgrade** expanding the platform's promotional capabilities.
 - **Redesigned** the Promo Code **schema** by extracting optional attributes and **reducing** nullable fields; **optimized eligibility validation** by replacing JSON-based storage of thousands of account IDs with a dedicated relational table, enabling **indexed lookups** and **eliminating costly** JSON parsing.
 - **Automated** bulk Promo Code condition **creation** through **AWS S3** presigned URL-based CSV uploads, enabling backend-driven processing and **reducing** manual administrative **effort**
 - Developed **Kafka consumers** for processing admin-approved Promo Code **rewards**, automated status transitions through **scheduler-driven events** running every minute, and **CDC consumers** for Promo Code and Promo Code Applied events, enabling reliable **asynchronous** and **event-driven** processing.
- **Backend Developer** | L.D. College Of Engineering (Aug'24-Dec'25)
 - Collaborated on **relational database design** and developed backend service, delivering **40+ REST APIs** serving **1800+ students** across profile registration, resume uploads, and end-to-end placement tracking.
 - Implemented **JWT**-based authentication with **role-based access**, secure **media uploads with access** and integrated structured **logging with Winston** to ensure maintainability and **traceability**.
 - Integrated **Amazon SES** and a **Worker** process to **automate 100+** placement-related **email** notifications per day, ensuring timely communication of placement updates and important details to students.
- **AI Intern** | Infosys Springboard (Oct'24-Dec'24)
 - Developed an **automated** Streamlit platform to **generate** engaging **short videos** from full-length videos.
 - Integrated **OpenAI Whisper** and **GPT-3.5-turbo** for **speech-to-text** and **context-aware** timestamp **selection**.
 - Used **FFmpeg** and **MoviePy** to process and export video clips with **custom resolution** and **orientation** support.

TECHNICAL SKILLS

- **Programming & Scripting Languages:** Typescript, Rust, Python, Java
- **Backend:** Node JS, Express JS, Flask, Axum, Tokio, REST APIs, Websockets, gRPC
- **Database:** MongoDB, MySQL, PostgreSQL, Redis
- **Tools & Infrastructure:** Git, Github, Bash, Kafka, AWS, Docker, Postman

PROJECTS

- **E-Ticket**
 - Designed and implemented the **backend architecture** for a BRTS E-Ticket Management System using Node.js, Express.js, and MySQL. Built **RESTful APIs** for user authentication, ticket booking, balance top-up, and transaction history, led database **schema design covering 8+ entities** (Admin, Passenger, Ticket, Payment, etc.) with normalization, constraints, and relational integrity.
- **Billing System**
 - Built a Billing System web application with **role-based user management**, automated invoicing, and customer database for streamlined **order tracking** with React.js and Bootstrap for UI and backend using Node.js, Express.js, MongoDB.
- **Word Dash**
 - Built **Word Dash**, a real-time multiplayer typing game using **Rust, Tokio, and WebSockets**, with random matchmaking, private rooms, and in-memory game state, Developed a **Solana + Anchor** smart contract for trustless **staking, escrow**, and **automatic payouts** using **Program Derived Addresses (PDAs)**, with a **Next.js** and **Tailwind** frontend.

CERTIFICATIONS

- Postman API Fundamentals Student Expert by Postman ([View](#))
- Machine Learning Specialization by DeepLearning.AI ([View](#))
- Building RAG Agents with LLMs by NVIDIA ([View](#))

AREA OF INTEREST

- Database & System Design
- Backend & Operations
- Artificial Intelligence