

BRIJESH ADESHARA

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EDUCATION

Master of Technology, Data Science & Machine Learning Rashtriya Raksha University, Lavad - Gandhinagar	2025 - 2027 CGPA: 8.00
Bachelor of Technology, Information Technology Ganpat University, Mehsana	2021 - 2025 CGPA: 7.62
Higher Secondary Education, GHSEB Navyug Vidhyalaya, Viramgam	2020 - 2021 Percentage: 83%
Secondary School Education, GSEB Navyug Vidhyalaya, Viramgam	2018 - 2019 Percentage: 86%

EXPERIENCE

Applied AI & Full Stack Developer Tassos Consultancy Services Pvt. Ltd., Ahmedabad, India	Jan 2025 – Jun 2025
- Developed and integrated LLM-powered chatbot prototypes for business inquiry and customer-support use cases using Streamlit and external AI APIs. - Implemented conversational AI solutions for client-facing platforms, including voice-based interactions and agent workflows using tools such as ElevenLabs. - Designed and optimized ERP system modules, databases, and business logic while contributing to frontend development and responsive UI improvements. - Created high-fidelity application UI/UX workflows in Figma, including wireframes, responsive layouts, and connected screen flows for large-scale applications.	
Full Stack Developer (SSIRP) Ganpat University, Mehsana, India	Jun 2024 – Sep 2024
- Student Summer Internship Research Program - SSIRP - Developed HealthAlly, an AI-powered healthcare chatbot for student wellness. - Implemented key features like symptom checking, first-aid tracking, and appointment booking. - Used Python, Streamlit, and MongoDB; worked in a team of three from design to deployment.	

SKILLS

🖥️ Frontend	⚙️ Backend	🗄️ Databases & Tools	🧠 AI / Machine Learning
- React - TypeScript - JavaScript - Tailwind CSS	- Python (FastAPI, Flask) - REST APIs - Supabase & Firebase - Node.js	- PostgreSQL - MongoDB - Redis - Git, Docker - DVC	- LangChain & RAG - LLM APIs - PyTorch & Scikit-learn - Transformers & NLP

PROJECTS

Percepta - AI-powered traffic monitoring and incident prediction - Ongoing 🔄
Objective: Building a real-time AI-based traffic analytics system for Traffic Police to monitor congestion, detect incidents, and enable proactive response using live surveillance feeds. Key Features: Multi-camera integration, real-time vehicle detection, Automatic License Plate Recognition (ALPR), tracking, lane detection, congestion prediction, live alerting, and dashboard visualization for traffic command centers.

- **TechStack:** OpenCV, PyTorch (YOLO26), Deep SORT, LSTM, FastAPI, Streamlit, PostgreSQL, and Docker; designed for modular deployment and real-time video analytics at scale.

ExamAI - AI-powered Exam Management Platform - Ongoing

- **Objective:** Developing ExamAI, an AI-powered exam management platform to generate, conduct, and evaluate assessments from course content or existing question papers, focusing on speed, scalability, and explainable grading.
- **Key Features:** Supports syllabus-based exam generation and existing paper evaluation, Retrieval-Augmented Generation (RAG) for context grounding, automated MCQ conduction, section-wise and multi-modal answer evaluation, and progressive result reporting.
- **TechStack:** Python, FastAPI, LangChain, FAISS, sentence-transformers, Redis, LLM APIs, React, IndexedDB, and Docker for scalable deployment.

CampusBay – Digital Campus Marketplace & Services Platform – Ongoing

- **Objective:** Architecting a peer-to-peer marketplace tailored for university ecosystems to facilitate secure item trading (rent/sale), student-led services, and real-time community engagement.
- **Key Features:** Real-time chat system for secure negotiations, integrated digital wallet with Razorpay payment gateway, student-only verified listings, and a modular service booking architecture.
- **TechStack:** TypeScript, Tailwind CSS, FastAPI, Supabase (Database, Auth, & Real-time Chat), and Razorpay; engineered for scalable financial state management and low-latency user interactions.

HealthAlly – AI Student Wellness Chatbot

- Full-stack chatbot designed for university students: offers symptom analysis, quick medication & advice, campus facility guidance, faculty contact info, and appointment booking.
- Tech Stack includes Streamlit (UI), Flask (backend), NLTK and Pandas (NLP/data processing), and MongoDB (database).
- Tested with real-world workflows during SSRIP 2024 internship and Deployed on Streamlit.

PrestigeERP – Custom ERP System

- Developed a modular ERP solution at Tassos Consultancy Services Internship: features include user management, inventory control, sales & purchase modules, and reporting.
- Built HR modules covering employee lifecycle management, IoT-based attendance tracking (with late/half-day handling), leave approval workflows, asset management, and expense reimbursements.
- Architected and normalized the relational database schema for scalability and data integrity.
- Implemented backend APIs with authentication and role-based access controls.
- Collaborated with a team using Git and followed agile workflows.

Qiz – Android Quiz App

- Kotlin-based android quiz application featuring real-time scoring and a clean, interactive user interface.
- Hosted on the Amazon Appstore.

CERTIFICATIONS

Google - Coursera: Google Cybersecurity) 

MathWorks: Deep Learning Techniques in MATLAB for Image Applications 

HackerRank: Python , Problem Solving , SQL 

HackerRank: Frontend Developer (React) 