

Shadab Jamadar

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EDUCATION

Dr. D Y Patil School Of Science And Technology Pune
B.Tech in Artificial Intelligence & Data Science 2022 – 2026
GPA: 9.6/10

Spicer Higher Secondary School Pune
Senior Secondary (XII), ISC - Science 2020 – 2021
Score: 81%

Spicer Higher Secondary School Pune
Secondary (X), ICSE 2018 – 2019
Score: 85%

WORK EXPERIENCE

AI Research Intern Apr 2025 - Oct 2025
Planto AI Remote

- Led competitive analysis of **4 key industry players** (tech stacks, strategy, financials), uncovering 7 innovation gaps, improving Planto AI's strategic planning effectiveness by 4%.
- Identified and resolved performance bottlenecks in core AI solutions, **boosting processing speed by 15%** and **improving market positioning by 12%**.
- Built research briefs summarising technical and market insights, enabling **15+ data-informed** decisions across product and engineering teams.

Data Science Intern Jul 2025 – Dec 2025
Renu Sharma Healthcare & Educational Foundation Remote

- **Engineered end-to-end backend** for AI Interviewer platform, designing APIs, integrating databases, and implementing security protocols, reducing backend errors by **25%**.
- **Developed role-based authentication** (admin, HR, student) with secure OAuth2.0 management, supporting **100+ concurrent users**.
- Built a **multi-container** Docker setup with FastAPI and Redis, cutting startup time by **30%** and enabling scalable infrastructure.

Software Developer Intern Jan 2026 – April 2026
Criql Labs Remote

- Built a unified **Python algorithmic trading SDK** integrating **3 broker APIs** (Zerodha, Angel One, FivePaisa) using a modular adapter architecture.
- Designed a broker-agnostic **Instrument Master schema** and ingestion pipeline in **SQLite**, normalizing **100% of broker-specific instrument fields** into a consistent data model.
- Implemented **tests** covering core trading workflows, added structured logging, and packaged the SDK with **Poetry**, enabling scalable onboarding of new brokers.

SKILLS

Technical Skills: Python, Machine Learning, Deep Learning, Natural Language Processing (NLP), FastAPI, Artificial Intelligence, Generative AI, Agentic AI, Vector Database, Retrieval-Augmented

Generation, Large Language Model (LLM), API Design, Docker, Data Analytics, SQL, Git, GitHub

Soft Skills: Problem Solving, Time Management, Team Management, Collaboration, Critical Thinking, Leadership

Languages: English, Hindi

PROJECTS

Curio - AI Assisted Teaching Oct 2025 – Jan 2026

- Innovated an **Agentic AI system** that autonomously handled **5+ core teaching tasks**, reducing manual workload for teachers by **up to 40%**.
- Designed **multi-step task workflows** triggered by natural language, with the agent generating **100+ educational assets**, including quizzes, images, and summaries.
- Integrated real-time voice interaction using Picovoice + Gemini, enabling the agent to listen, reason, and respond during live classes with **95 %+ transcription accuracy**.

LLM Evaluation Pipeline Nov 2025 – Dec 2025

- Built a deterministic evaluation pipeline measuring **4 core metrics** (relevance, completeness, hallucination, latency), tested on **150+ evaluation queries**.
- Designed modular workflows (loader → metrics → aggregator) to process **300+ responses** per run, reducing manual evaluation effort by approximately **35%**.
- Implemented **embedding-based** scoring using sentence-transformers, achieving **85%** alignment with manual evaluation on sampled outputs.
- Optimised performance with embedding caching and local inference, reducing redundant computations and improving evaluation latency by **25%** per batch run.

GuideAI - Tourist Assistant Jan 2025 – Feb 2025

- Developed a **multilingual AI voice assistant** to tackle the challenge of enhancing real-time travel guidance, resulting in a **25%** increase in user satisfaction.
- Addressed the challenge of **multilingual support** by integrating 10 regional languages, boosting user engagement by **10%**.
- Integrated **3+ third-party APIs** to provide personalised, location-aware suggestions.
- Conducted usability testing with **20+ users**, incorporating feedback to boost recommendation relevance.

Ishara - ISL Recognition System Mar 2024 – Jun 2024

- Engineered a **real-time Indian Sign Language** recognition system, overcoming communication challenges for individuals with hearing impairments, and enhancing interaction by **64%**.
- Addressed the challenge of labelling large datasets of **1,800+ video samples (200GB)**, streamlining data pipelines to boost model training speed by **3x**.
- Trained an LSTM model to classify **20+ hand gestures** with **92%** accuracy, based on temporal movement patterns.

CERTIFICATIONS

Google Build & Grow AI Hackathon 2.0 Jan 2026

- Secured Top 25 rank among 1000 teams.

Winter Consulting Program Jan 2025

- Consulting & Analytics Club, IIT Guwahati

Wadhvani IgniteX

Sep 2024

- By Wadhvani Association for building a startup plan and timeline

IBM State Level Maharashtra Hackathon

Feb 2024

- Issued by IBM for securing top 10 rank in hackathon

Jio Creative Hackathon

Aug 2023

- By Reliance Jio for securing top 100 rank among 16,000 teams