

Ranchhodbhai Aal

Data, Science & AI

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EDUCATION

B.Sc. Data, Science and AI · University of Bayreuth

Oct 2024 – Present · Bayreuth, Germany

- Course Representative for the DSAI Bachelor programme
- Aim to specialise in Natural Sciences
- Relevant subjects: Computer Science, Linear Algebra, Mathematical Analysis, Physics, Chemistry

Bachelor of Computer Applications · Saurashtra University

Jul 2023 – Jun 2024 · Rajkot, India

12th Grade (CBSE) · Jawahar Navodaya Vidyalaya

2018 – 2019 · Surendranagar, India

- Science stream (Physics, Chemistry, Mathematics)

PROJECTS

RUS — AI Meeting Assistant · Personal Project

Nov 2024 – Present

<https://rus.therencho.com>

- Production application: records, transcribes, and analyses meetings with speaker diarization
- Extracts tasks, risks, gaps, intents, and summaries in parallel using LLM pipelines
- Stack: FastAPI · Next.js · PostgreSQL (Neon) · AssemblyAI · Clerk Auth · Vercel · Railway
- Architecture: three-repo split (backend, app frontend, landing page) with subdomain routing

Project Carola — Multi-Agent MCP Server · Personal Project

Jan 2025 – Present

- Locally hosted AI infrastructure for shared memory and multi-agent orchestration
- FastMCP backend over stdio · Read-only FastAPI layer · Next.js dashboard
- Dual SQLite stores with physical separation (shared project context vs. private data)
- Designed for persistent memory across sessions and multi-agent task coordination

AI Helper for Students · Personal Project

Jun 2024 – Present

<https://si.therencho.com>

- Platform where students interact with AI agents to enhance learning efficiency
- Stack: Next.js · FastAPI · Supabase (Postgres + Auth) · Claude / GPT-4o

Vedarktech.com · Divyesh Exports · Earlier Web Projects · Freelance / Personal

2020 – 2024

- Responsive frontend websites using Next.js, React, Tailwind CSS, Framer Motion, Vercel
- Earlier projects in HTML/CSS/JS; first website built at age 16 after rooting first Android tablet

WORK EXPERIENCE

Tech Coordinator · Vedark Souk LLC (Enenni)

Jan 2025 – Jun 2025 · Remote

<https://enenni.com>

- VARA-pre-approved Spot and OTC crypto trading platform
- Defined technology stack and overall system architecture
- Bridged product requirements with development team execution

Private Tutor — Mathematics, Physics & Computer Science · Self-employed · Piyava, India

May 2019 – Mar 2023

- Prarambh Academy (Jun 2019 – May 2020): Mathematics teacher; managed student results and database
- Private students (May 2022 – Mar 2023): Teaching Mathematics, Physics and Computer Science

Digital Solutions & Marketing Executive · Satva Institute

Jun 2020 – Mar 2022 · Gandhinagar, India

- Designed, developed, and maintained the institute website and mobile application
- Strategized and managed social media campaigns; created graphic design templates

SKILLS

Programming: Python · Java · C++ · Next.js · FastAPI · SQL · HTML/CSS · C

Infrastructure & Tools: PostgreSQL · SQLite · Vercel · Railway · Neon · Clerk · Git

AI & ML: LLM API integration · TTS/ STT · Ollama · MCP (Model Context Protocol)

Tools : Figma · CorelDRAW · LaTeX · Graphic design · MS Office/Powerpoint

Other: Web architecture · System design

LANGUAGES

Gujarati: Native

Hindi: Native

English: Proficient (C1/C2)

German: Intermediate (B1)

CERTIFICATIONS & AWARDS

Diploma II Degree · Ministry of Education of Turkmenistan · Dovletmammet Azadi Turkmen National Institute of World Languages

Apr 2026

- Awarded for best presentation at the International Scientific and Practical Conference "Youth Scientific Research"
- Research topic: limitations of machine translation and semantic understanding in language models

TestAS — University Aptitude Test · Deutsche Telekom Stiftung

Oct 2023

- Core Test: 106 / 130 · Mathematics, Computer Science & Natural Sciences: 109 / 130