

Abid Khan

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EDUCATION

Gujarat Technological University (GTU)

Bachelor of Engineering in Computer Engineering

Expected 2028

Navsari, India

College: GIDC Degree Engineering College

Relevant Coursework: Data Structures & Algorithms, Operating Systems, DBMS, AI/ML, Discrete Mathematics, Computer Organization & Architecture

OPEN SOURCE CONTRIBUTIONS

134 merged PRs across 41 repositories | 51 merged in 26 external open source projects

scikit-bio — Bioinformatics library (NumFOCUS)

- Implemented Array API support for `centralize()` and `vlr()` using `ingest_array/compatible_array` pattern; CI green (#2429, open). Docs fix for `TabularMSA.read` (#2390, open)

pandas / scanpy (2.3k stars) — Data analysis & single-cell genomics

- Bool validation with FutureWarning for `numeric_only` in NDFrame reductions (#64422, pandas). Removed duplicated Louvain/Leiden clustering docs (#3986, scanpy, merged)

pynaturalist / docling (55k stars) — Biodiversity API & document AI

- 4 merged PRs in pynaturalist: type-safe Literal constants, annotation labels, docs (#682, #684, #686, #679). Fixed memory leak in docling image backend (#3134, merged)

biopython / nextflow / pygbif — Bioinformatics & biodiversity

- PDBList obsolete-file handling (#5170), staged path semantics (#6869, merged), auth docs for download endpoints (#200, merged)

kubernetes / kepler / prometheus — Infrastructure

- Env-var key constraints in K8s API docs (#137283), minimal deploy without Prometheus Operator (#2431), canonical docs links (#2855)

Active PRs also in: *scikit-learn, OpenHands, openclaw, daytona, coder, apache/airflow*

TECHNICAL SKILLS

Scientific Python: NumPy, pandas, SciPy, scikit-learn, Array API standard, Matplotlib **Languages:** Python, TypeScript, JavaScript, Java, SQL, C++

AI/ML: TensorFlow, PyTorch, NLP, RAG pipelines, LangChain, vector databases **Infra:** Docker, AWS, PostgreSQL, Supabase, Linux, Git, Kubernetes

WORK EXPERIENCE

Rapid Impact Developer | Open Paws

AI Infrastructure & Full-Stack Engineering

Aug 2025 – Present

Remote

- Architected multi-agent AI ecosystem: production chatbots with verification loops, n8n automation pipelines for deal sourcing, and vector retrieval (Supabase, Pinecone) serving 1,000+ users — cut latency 40%, LLM costs ~30%
- Co-hosted [Code4Cause hackathon](#) at GIDC (~100 participants, 20+ social impact projects); visited Yotta Data Center for GPU infra partnership

Co-Founder & CTO | Knight Medicare

AI-Powered Digital Therapy Platform

2025 – Present

Remote

- Co-founded with a Harvard MD; built Project Chimera — modular cognitive architecture (Prometheus LLM core, Narcissus metacognition, RLHF, LanceDB vector memory) covering 27 disorders on Next.js + Supabase, HIPAA-aligned

Google Gemini Student Ambassador

Campus AI Advocacy & Developer Relations

Jul 2025 – Dec 2025

Remote

- Selected by Google to promote Gemini AI across campus; organized workshops, created technical content, and mentored peers on integrating Google AI tools into projects

SELECTED PROJECTS

The Adventurers Guild | Open Source EdTech Platform

2025

- Founded gamified developer marketplace connecting 500+ CS students across 20+ universities; adopted by Open Paws as production work distribution engine; 11 stars, 26 forks; GirlScript Summer of Code 2025

AFFOG | Code4Compassion Winner, Vegan Hackathon Finalist

2025

- Processed 10,000+ legislative documents using NLP + RAG pipelines across 3 continents; improved accuracy by 35%

LunaBot | NASA Space Apps — Regional Finalist TrustlessID | Decentralized ID

2025

- LunaBot: autonomous lunar rover with AI pathfinding (+25% nav efficiency). TrustlessID: blockchain-backed identity verification with AI fraud detection (Next.js 16 + Supabase)

ACHIEVEMENTS

- AARC Pre-Accelerator (Bangalore 2025) — Selected; pitched Open Permit to funders at Upadhyaya Foundation
- NASA Space Apps — Regional Finalist (2025) | 2x Hackathon Winner: Code4Compassion (AFFOG), HackVerse (EcoTrack)
- Harvard Online (CS) | edX (Mathematics & CS)