

Dhruv Thakur

Software Engineer

github.com/Dhruv302006 | candidates.intervues.club/u/dhruv-thakur

SUMMARY

Software Engineer and B.Tech student at IIT Hyderabad with leadership experience in technical operations, event execution, and assessment management. Demonstrated expertise across software development, AI systems, open-source contributions, and high-throughput system architecture.

EXPERIENCE

Head of Operations

Institute Technical Council IITH

Jul 2026 – Present

- Led operational execution for Institute Technical Council (ITC) activities across various technical domains.
- Supported procurement, technical programs, campus-wide events, and administrative operations while coordinating cross-functional teams.

Head - Operations Domain

Institute Technical Council, IIT Hyderabad

Apr 2026 – Present

- Directed operations domain initiatives to streamline student technical activities and council workflows.

Assessment Lead

Office of Career Council, IIT Hyderabad

Apr 2026 – Present

- Led and coordinated assessment-related activities for student career development and placement preparation.
- Managed the planning, execution, and oversight of assessment processes in alignment with institutional stakeholders.

Core, Management and Operation

Tinkerers' lab, IIT Hyderabad

Jun 2025 – May 2026

- Managed operational execution and procurement strategies for Tinkerers' lab technical equipment.
- Directed technical programs, facilitated hands-on events, and handled administrative logistics for the Thrust tech event.

EDUCATION

Indian Institute of Technology Hyderabad · Bachelor of Technology - BTech · 2024 – 2028

Seth Hirachand Mutha college kalyan(west) · XII (HSC Board Examinations in Maharashtra State) · 2024

Seth Hirachand Mutha School kalyan(west) · X (CBSE) · 2022

SKILLS

Languages and Frameworks: C/C++, Go, JavaScript, Python, TypeScript, Express.js, Fastify, Node.js, NumPy, Pandas, PyTorch, React.js, Scikit-learn, Socket.io

Databases: MongoDB, PostGIS, PostgreSQL, Qdrant, Redis

Tools: AWS S3, BM25, Docker, Full-Stack, Git, GitHub Actions, JWT, Kafka, Nginx, Ollama, Postman, Prisma ORM, QLoRA, REST APIs, WebSockets

PROJECTS

Open Source Contributions

Contributed to open source projects including Supabase Auth and Rakuten Tech's QueryCraft. Authored backend contributions to Supabase Auth Go ecosystem. Contributed to Rakuten Tech's QueryCraft AI-SQL assistant repository.

Supabase Auth, QueryCraft

High-throughput wallet and double-entry ledger system

Building a high-throughput wallet and double-entry ledger system. Architected a scalable double-entry financial ledger and wallet backend system utilizing Node.js, PostgreSQL, Redis, and Kafka.

Node.js, PostgreSQL, Redis, Kafka

Financial analyst LLM/RAG system

LLM and RAG systems including a financial analyst using QLoRA fine-tuning and a hybrid RAG pipeline. Developed a financial analyst AI system incorporating QLoRA fine-tuning and a hybrid RAG retrieval pipeline.

Additional projects: High-Throughput Wallet & Ledger System, AI Financial Analyst, Financial Intelligence Platform, MapLink, Supabase Auth Go backend contribution, Rakuten Tech's QueryCraft AI-SQL assistant contribution

AWARDS

Leetcode - Solved 500+ Data Structures and Algorithms problems, Introduction to Generative AI, Get Started with Databricks for Generative AI, LeetCode Problem Solving