

Siddharth Yadav

+91 8595631604 | siddharth23525@iiitd.ac.in | [LinkedIn](#) | [GitHub](#) | [Website](#)

EDUCATION

Indraprastha Institute of Information Technology
B.Tech, Computer Science and Applied Mathematics
CGPA : 8.38

New Delhi
Aug. 2023 – May 2027

EXPERIENCE

SDE Intern, BNY Mellon
On-site

May 2026 – July 2026
Pune, Maharashtra

- Built a **real-time analytics dashboard** to track **fund processing pipeline** status end-to-end, giving stakeholders live visibility into processing stages and bottlenecks
- Trained a **Gradient Boosted Machine (GBM)** to **predict fund completion dates and flag delay risk**, achieving **82% classification accuracy** on delay prediction with a **mean error of 2.3 days** on historical data, enabling proactive intervention on at-risk processes

SDE Intern, Nanonets (YC17)
Remote

May 2025 – July 2025
San Francisco, California

- Engineered a **Slackbot** with webhooks and a **unified knowledge base** (50+ sources) to **automate responses to repetitive sales queries**, saving **20+ AEs up to 10 hours/week**.
- Architected **NL-to-SQL pipelines** with **SBERT + RAG** on Pinecone for structured & unstructured data, achieving an **average response time of 5s**

Undergraduate Researcher, IRAS-Hub (IIIT-Delhi)
Guide: Dr. Sanjit K. Kaul

May 2025 – Present
Okhla, New Delhi

- Integrated **OpenManipulator-X** into the **LeRobot framework**, training **ACT and Pi0** policies via imitation learning on a custom-collected dataset for real-world manipulation tasks
- Deployed the **Pi0 policy** with ROS 2, Gazebo, and NVIDIA Isaac Sim for closed-loop control of the **xArm Lite 6**, achieving a **97% success rate** at 50Hz with robust sim-to-real transfer

PROJECTS

AudioNote ([GitHub](#)) | *React Native, Expo Go, Firebase, RAG, Python*

June 2024 – July 2024

- Built an AI-powered **note-taking** app using Whisper for **real-time transcription** and GPT-3.5 Turbo for **adaptive summaries, with custom modes** for lectures, conversations, and meetings
- Embedded a **RAG-based chatbot** for context-aware Q&A, and implemented **secure note sharing, playback-synced transcription, and Firebase cloud storage and auth**

DocsAI ([GitHub](#)) | *React, Node.js, Socket.io, Firebase, AWS*

July 2024 – Aug. 2024

- Developed a **collaborative web-based document editor** with AI features like **auto-complete, paragraph generation, and image generation** using OpenAI and DALL-E 2
- Enabled **real-time multi-user editing** with **WebSockets** using socket.io, and integrated a **RAG chatbot** for answering document-specific queries

Angry Birds Clone ([GitHub](#)) | *Java, libGDX, JUnit, Gradle*

Sept. 2024 – Nov. 2024

- Engineered a clone of **Angry Birds** in Java using the libGDX framework with **advanced OOP principles**, custom collision/trajectory physics, and **intuitive UI flows**, ensuring robustness via **JUnit test suites**

PUBLICATIONS

Limits of Difficulty Scaling: Hard Samples Yield Diminishing Returns in GRPO-Tuned SLMs

2026

- Authors: *Suraj Yadav, Siddharth Yadav, Parth Goyal*
- Published at **ICLR 2026 Workshop ICBINB** | [\[OpenReview\]](#) | [\[PDF\]](#)

Breaking Spurious Correlations via Generative Randomization and Cross-Variant Self-Supervised Learning

- Authors: *Suraj Yadav Anjaneya Sharma* Siddharth Yadav**
- Published at **CVPR 2026 Workshop on Generative Models for Computer Vision** | [\[PDF\]](#)

ACHIEVEMENTS

- Achieved a peak rating of **1570 (Specialist)** on [Codeforces](#)
- Solved **600+** **algorithmic problems** across [Codeforces](#), [LeetCode](#), and [GeeksforGeeks](#)

TECHNICAL SKILLS

Languages: Python, C/C++, Java, JavaScript/TypeScript, CSS, HTML, SQL

Tools and Technologies: Git, GitHub, React.js, Next.js, React Native, Expo Go, Tailwind CSS, Node.js, Flask, FastAPI, REST & WebSocket APIs (Socket.io), Postman, MySQL, PostgreSQL, Firebase, Google Cloud Platform, LangChain & RAG, Figma, Miro, Lucidchart, Linux, Vim, Shell (Bash)