

Shashwat Verma

Bachelor of Technology
in Computer Science and Engineering
Birla Institute of Technology, Mesra, Ranchi

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EDUCATION

Degree	Institute	CGPA/Percentage	Year of Completion
B. Tech.	Birla Institute of Technology, Mesra	8.11	2026 (Expected)
12th	Jawahar Vidya Mandir, Shyamali	95.00%	2021
10th	Jawahar Vidya Mandir, Shyamali	92.33%	2019

PROJECTS

• Dropdex

Rust, Dropbox, Axum

github.com/Imyr/dropdex-rs

- Intermediary server to provide self-owned endpoints to access Dropbox Business storage. Communicates with Dropbox API and uses Axum to proxy data privately. Handles more than 100 concurrent users without any load balancing.
- Reqwest-based wrapper for Dropbox API is used, with Axum providing server functionality. Allows for the listing and downloading of files and folders.
- Serves as a proxy between the user and the Dropbox API, shielding sensitive credentials from the user. Complete backend capability that can be seamlessly integrated with any frontend.

• Folderclone

Rust, Google Drive, Tokio

github.com/Imyr/folderclone-rs

- CLI utility to ease folder copy in Google Workspace. Uses Google Drive v2 API and Tokio's async green threads to perform multitude of requests, fast. Managed a 100% performance increase compared to previous existing solutions.
- Tokio threads are used for non-blocking API queries, clap is used to parse command-line input, and Google's Drive v3 API is used to manipulate files and folders on Google Workspace Drives.
- Achieved a copy rate of more than 200 files per second, which is equivalent to 85-90% of the allowed rate limit and service accounts used.

EXPERIENCE

• Equall (LTCV Credit)

January 2026 – Present

Software Engineering Intern

Bengaluru, Karnataka

- Designed and shipped a multi-branch Proof of Address (POA) KYC workflow with asynchronous OCR processing over Apache Kafka, Liquibase-based AADHAAR address backfill migrations, and admin reprocessing endpoints; running in production on real loan applications.
- Built an AI customer support chatbot (OpenAI API, RAG tool calls) deployed on the customer-facing website; automated loan offer expiry via event-driven Kafka cron pipelines; and migrated legacy payment mandates into an in-house Spring Boot microservice.

• Google

May 2025 – Aug 2025

Software Engineering Intern

Bengaluru, Karnataka

- Built a Rust/C++ interop wrapper using Crubit for an SVG rendering library, configuring feature flags per a formal security review, to enable native vector graphics support across Google-wide services including Workspace Editors.
- Implemented SVG decoding in a Photos image processing library and contributed to the deprecation of a legacy rendering service by migrating Google Sheets' SVG rendering dependency.

• WorldQuant BRAIN

December 2024 – April 2025

Quantitative Research Consultant

platform.worldquantbrain.com/profile/public/SV67881

- Developed predictive alpha models for financial markets using statistical methods and machine learning, optimizing for risk-adjusted returns across diverse financial instruments.

TECHNICAL SKILLS

- **Programming Languages:** Python, Rust, C/C++/Java
- **Tools:** Git, Github Workflows, Apache Kafka, Liquibase, Docker, Heroku, Cloudflare Workers, Oracle Cloud Infrastructure
- **Frameworks:** Spring Boot, React, FastAPI, Axum, SQLx, Telethon
- **Databases:** MongoDB, Cloudflare R2/D1/KV, Redis, MySQL, PostgreSQL
- **APIs/SDKs:** Telegram API, Google Drive API v3, Dropbox API v2, Google Admin SDK Directory API
- **Data Structures and Algorithms & Cybersecurity:** leetcode.com/u/Imyr, app.hackthebox.com/profile/1703457

ACHIEVEMENTS

- **eBAJA SAEINDIA, February 2025:** Winner among around 150 college teams from all over India in the Innovation Event, representing Team Aveon Racing, held at BVRIT, Narsapur.
- **Smart India Hackathon, September 2024:** Selected to represent BIT, Mesra for the Smart India Hackathon 2024.
- **International Quant Championship, May 2024:** Led the best performing 4-people team in BIT, Mesra with sub-300 global rank, achieved GOLD LEVEL on the WorldQuant BRAIN platform with 10,000+ alpha score and qualified for Stage 2 of IQC (among Top 0.8% teams from Stage 1).