

Praveen Kumar Jaiswal

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Education

Indian Institute of Information Technology, Lucknow - India

Bachelor of Technology in Computer Science | [Transcript](#) | [Link to all courses](#)

Expected Graduation Date: May 2026

GPA: 9.0/10

Experience

Uber

May 2025 - July 2025

SWE Intern

Java 17, jdeps, Gradle, CI/CD, Python, Buildkite, DistCp, YARN

- Led the migration of a large-scale Java codebase from JDK 11 to 17 and Gradle 6.0 to 8.14.x, resolving dependency issues, "jar hell" and runtime issues. Also cut incremental build times from over 5 min to **under 20 sec**.
- Improved system reliability by optimizing a data purge pipeline with parallel, resumable jobs (cutting runtime by **1.5+ hours**); also automated the creation of cloud development environment to reduce team onboarding time to **less than 20 minutes**.

Turing

Nov 2024 - Apr 2025

Rust LLM Developer

Rust, LLM, Function Calling, SFT, RLHF, SQL, JavaScript, Python

- Engineered SFT training datasets for function-calling, non-function-calling, and RLHF models, enhancing performance and alignment. Partnered with Meta, Google DeepMind, and ServiceNow to deliver cutting-edge LLM solutions.
- Reduced team rework rate by 40% by refining task creation workflows; streamlined onboarding by documenting key processes.

Uber

May 2024 - July 2024

UberStar Software Engineering Intern

Java, Python, Automation, MySQL, Grafana, Unit Testing

- Engineered an automated TTL-based table deletion solution for a terabyte-scale MySQL database, removing manual purge efforts and cutting average disk usage by 60%. Achieved a **600x** reduction in replication lag during data purges; Also automated large-scale MySQL table migration to partition with near zero downtime.

Projects

cpast

Nov 2023 - Current

Sherlock for Edge Cases

Rust, Automata, Compiler, CLI, Gemini, FastAPI, LLM, Monorepo

- Developed cpast, a code testing tool with a "clex" testcase generator, automating comparisons between user code and correct implementations. It also features LLM integration to automate test creation from question links. The tool achieved **27k+** downloads on [crates.io](#), reduced bug resolution time by 45%, and improved accessibility by 25%.

docFiller

Aug 2023 - Feb 2025

Autofill for Google Forms

Web Extension, TypeScript, DOM, GitHub, Langchain, CI/CD, esbuild, biome

- Led a 10-member team to develop **docFiller**, an AI-powered cross-browser web extension to autofill Google Forms, through intelligent automation & consensus. Achieved a 25% faster development cycle, reduced form-filling time by 40%, and attracted **250+** active users through effective code reviews, communication and release management.

ZenLang

Nov 2023

Bollywood inspired programming language

Rust, AST, Interpreters, Automata, Axum, Next.js

- Designed ZenLang grammar and interpreter, improved error handling, and unit testing, reducing runtime errors by 25%. Integrated a Rust backend with a Next.js frontend, boosting speed by 30% and engagement by 20%. Launched Zen Playground, attracting 500+ users.

Skills

Languages: Rust, Python, Java, C, C++, SQL, HTML, JavaScript, TypeScript, Bash

Technologies & Tools: Linux/Unix, regex, Docker, git, make, Firebase, Arduino, logseq, APIs, MySQL, SQLite

Frameworks & Libraries: NextJS, LangChain, Sanity, node, React, Tailwind CSS, clap, FastAPI, i18n, PyO3, Axum

Relevant Coursework: Operating System, Compiler Design, Computer Networks, Database Management System, OOPS

Achievements & PoR

- Coordinator at FOSS wing at Axios: Technical Society of IIITL. Organized Lucknow FOSS and Equinox 2025 edition.
- Contributed to LangChain and active committer to auto-cpufreq.
- Winner in HackOFiesta v5; also runner up in two other hackathons and 3rd place at the Fresher's Cup (IIITL, 2023).
- Organized FOSS Weekend 2024 receiving over 650+ PRs in just 3 days.
- Maintained and contributed to Hacktoberfest 2023.
- Volunteered at Literary Club of IIITL - Crotonia and runner up at Extempore@Lit-A-Thon.