

# Praveen Kumar Korukonda

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## Education

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**Indian Institute of Technology Roorkee**

Nov 2021 - May 2025

Bachelor of Technology in Mechanical Engineering

## Experience

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**Software Engineering Intern, Planto AI – Remote**

Sep 2025 – Nov 2025

- Engineered a scalable incident management system using **Go** and PostgreSQL database.
- Integrated **Slack** to deliver real-time critical alerts and automated recurring reminders.
- Built reliable background jobs to route unassigned incidents and monitor acknowledgement status.
- Engineered a dynamic PDF invoice generation service using Go and the Maroto library.
- Developed secure **REST APIs** with Encore and **PostgreSQL** to persist and retrieve invoices.

**Software Developer Intern, CodingPro – Remote**

July 2025 – Aug 2025

- Engineered a full-stack job recruitment platform using **Spring Boot** and Thymeleaf.
- Developed e2e recruitment workflows, profile management, job application tracking, and resume uploads.
- Implemented secure role-based authentication using Spring Security to protect candidate and recruiter profiles.
- Containerized the application with **Docker** and deployed to **AWS** Elastic Beanstalk with **RDS** storage.

## Projects

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**git-lite**

github.io/git-lite

- Developed a Git client in **Java** that clones repositories using Git's Smart HTTP which is simple and fast.

**uptime-monitor**

github.io/uptime-monitor

- Built an automated uptime monitoring system in **Go** that continuously monitors the uptime of websites.
- Integrated Slack webhook notifications via **pub/sub** pipeline to deliver automatic real-time downtime alerts.

**mini-redis**

github.io/mini-redis

- Built in-memory **Redis**-style server and CLI client in **Go** which supports redis core commands
- Implemented thread-safe storage for strings (with expiry), lists (with blockings operations), sorted sets
- Supports multiple **concurrent** clients and load an existing RDB file at startup for simple persistence.

**torrent-x**

github.io/torrent-X

- Built a BitTorrent client in **Java** that allows downloads using a single-file torrent or magnet links
- Implemented **p2p** protocol with tracker communication, piece verification, and metadata exchange

**caching-proxy**

github.io/caching-proxy

- Built a caching reverse proxy CLI tool in **Go** which reduces server hits and request latency
- Implemented a thread safe concurrent disk based cache storage system using SHA-256 hashing.

**go-lb**

github.io/go-lb

- Built a load balancer in **Go** which supports concurrent request handling and Active/Passive Health checks.

## Skills

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**Languages:** Golang, Java, C++

**Technologies:** Git, Docker, AWS, Springboot, MySQL, PostgreSQL