

Prince Pal

princepaldev@gmail.com | +91 8178627096 | Delhi, IN | [Portfolio](#)

EDUCATION

Maharaja Agrasen Institute of Technology
B. Tech. in Computer Science & Engineering

July 2027
New Delhi, IN

WORK EXPERIENCE

Astro Raag

July 2026 – Present

Software Engineer Intern

Remote

- Developed an end-to-end automation solution for Honeywell & Allied Tools Inc. to process Excel files and product PDFs, perform data extraction and business-rule validation, and insert validated records into the database, **reducing processing time by ~98% from a full day to 10–12 minutes.**
- Built and deployed a centralized Spring Cloud configuration server** serving as the single source of truth for configuration across **10+ microservices**, with centralized versioning and environment-specific properties.
- Built an **event-driven email microservice using Nest.js** that triggers context-specific notifications based on system events through a reusable workflow engine, automating communication across the supply chain platform.

Tata Power DDL

June 2026 – July 2026

Backend Intern

New Delhi, IN

- Designed and built RESTful APIs using **Java, Spring Boot, Spring Security, JPA, and PostgreSQL** to analyze 20+ years of electricity demand data, enabling drill-downs from yearly trends down to **daily 96-slot (15-min) demand patterns.**
- Replaced manual Excel-based tracking with a query able backend, letting analysts **instantly pull peak usage for any year, month, day, or 15-min slot** - cutting a manual lookup process down to a single query.

PROJECTS

[Chessora](#)

- Building a **real-time multiplayer chess platform (Svelte Kit, Spring Boot, Spring Security, PostgreSQL, JWT)** supporting room-based matches, live spectating, and in-room chat.

[Up Me](#)

- Engineered a **serverless deployment monitoring platform (Java, Spring Boot)** that continuously probes application endpoints to mitigate cold starts and ensure high availability, processing **10K+ health-check pings daily across 100+ monitored services.** Built a full-stack dashboard for real-time service health monitoring.

VOLUNTEERING

Girl Script Summer of Code

May 2023 - August 2024

- Won the best mentor award
- Reviewed & merged 150+ pull requests from a pool of students

SKILLS

- Languages:** Java, JavaScript, TypeScript
- Frontend:** HTML/CSS, React.js, Next.js, Svelte Kit, Tailwind CSS
- Backend:** Spring Boot, Node.js, Spring Security, Nest.js
- Databases:** MySQL, PostgreSQL, MongoDB, Redis
- Tools:** Git, GitHub, Docker, AWS, JUnit

HONORS & AWARDS

- Secured **AIR 56** in IPU CET among thousands of candidates
- Won 6 hackathons**, including Google Prompt Wars & Zynd.ai Hackathon