

PRABHNOOR SINGH

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SUMMARY

Third-year B.E. (CSE) — Full-stack developer with production experience (Electron, React, Python), SQL & Firebase exposure, CI/test automation, and strong problem solving; available for Summer Internship FY'26.

EDUCATION

Bachelor of Engineering (B.E.), Computer Science & Engineering
Chitkara University (Batch- 2023-27)

CGPA:9.43

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Databases, Computer Networks, Cloud Computing, Systems Design

PROFFESIONAL EXPERIENCE

TDrive – Electron Telegram App

(August, 2025)

<https://apps.microsoft.com/detail/9NTQB05P8HFQ>

- Independently built and shipped a production Electron-based Telegram storage client **listed on the Microsoft Store**.
- Implemented robust IPC/session persistence patterns and **solved native module rebuild issues** to improve application stability and user experience.
- Introduced automated tests and a CI pipeline** (GitHub Actions) to ensure regression safety and faster iteration. Managed releases and handled platform-specific packaging.

CodeScope - File Based Offline Source Code Search Engine

(June,2025)

<https://github.com/prabhnoor25/codescope>

- Developed custom data structures** (Linked List, HashMap, Graph) to efficiently store and manage parsed code metadata, enabling rapid search operations.
- Collaborated in teams (2–5) and participated in weekly design reviews and code review workflows; **created design docs** and owned features from design to production.
- Optimized search queries to serve 10k+ LOC with **average query latency 45ms** (10x faster than baseline).

DPP – Daily Leetcode Problem Emailer

(July,2025)

<https://github.com/prabhnoor25/dpp>

- Built a full **workflow automation** system that emails the LeetCode Daily Challenge to subscribers every morning at 9:00 AM IST, combining Python (SMTP), Firebase, and HTML templates.
 - Implemented subscription/unsubscription system with **Firebase Realtime DB**, input validation, and responsive UI using HTML/CSS/JS.
 - Created a Python automation script with retry logic, rate limiting, and HTML email rendering; designed to run via **cron** as a scheduled daily service.
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CERTIFICATION & ACHIEVEMENTS

- Certificate in Cloud Computing Foundations from Duke University via Coursera
 - Member, Chitkara ACM Student Chapter
 - Certificate in Networking Fundamentals through Cisco Networking Academy program
 - Participated in university hackathons and coding competitions.
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SKILLS

- Programming Languages: Javascript/Typescript, Python, C, C++, Java
- Databases: SQL (Postgres/MySQL basics), Firebase Realtime DB
- Frameworks / Tools: Electron, React, Next.js, Tailwind, Git, Docker, AWS, GitHub Actions
- Testing / Automation: Unit testing, CI/CD (GitHub Actions), test automation frameworks (pytest / jest)
- Concepts: REST, distributed systems, concurrency, algorithms, data structures, observability