

SUDHIR SINGH

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EDUCATION

SRM Institute of Science and Technology

B.Tech in Computer Science and Engineering (Computer Networking)

2023–2027

CGPA: 9.40 / 10

Coursework: Data Structures, Algorithms, Computer Networks, DBMS, Operating System, OOP

TECHNICAL SKILLS

Languages: C/C++, JavaScript, TypeScript, Python, SQL

Developers Tools: Git, GitHub

Frameworks & Libraries: React, Next.js, Node.js, Express, Tailwind CSS, shadcn/ui

Databases: PostgreSQL, MySQL, MongoDB, Upstash Redis

PROJECTS

HirePrep : Intelligent Job Preparation Platform | *Next.js 15, TypeScript, Neon PostgreSQL, Google Gemini, Clerk, ArcJet* 2026

GitHub [hireprep.sudhirsingh.dev](https://github.com/hireprep.sudhirsingh.dev)

- Built a production-grade full-stack **AI SaaS** with **Next.js App Router, Drizzle ORM + Neon PostgreSQL**, and **Clerk** authentication, covering job tracking, resume analysis, and ATS compatibility scoring.
- Integrated **Google Gemini** with structured prompt pipelines for context-aware **interview question generation**, AI feedback, and per-role performance evaluation across technical and behavioral rounds.
- Implemented **ArcJet rate limiting**, permission-based billing controls, and **type-safe environment validation** to enforce production-grade API security and access management.

PrivyChat: Ephemeral Real-Time Chat Platform | *Next.js 16, TypeScript, Upstash Redis*

2026

GitHub [privychat.sudhirsingh.dev](https://github.com/privychat.sudhirsingh.dev)

- Built an **event-driven real-time messaging system** using **Redis pub/sub** via Upstash, enabling low-latency delivery across invite-only rooms with strict membership validation.
- Designed **TTL-based ephemeral room lifecycle**: rooms auto-destruct after **10 minutes** with real-time countdown broadcast and permanent message deletion on expiry.

Prepwise: AI-Driven Mock Interview Platform | *Next.js, Vapi AI, Google Gemini, Firebase, Web Speech API*

2025

GitHub [prepwise.sudhirsingh.dev](https://github.com/prepwise.sudhirsingh.dev)

- Built a **voice-driven AI interview coach** integrating **Vapi AI + Google Gemini** for real-time spoken feedback and personalized coaching across technical and behavioral rounds.
- Shipped a **performance tracking dashboard** with session history and score analytics using **shadcn/ui** and modular React components.
- Integrated **Firebase** authentication for secure user sessions and persistent interview history across devices.

DealDrip: E-Commerce Price Tracking Application | *Next.js, MongoDB, Bright Data, Cheerio, Nodemailer*

2025

GitHub [dealdrip.sudhirsingh.dev](https://github.com/dealdrip.sudhirsingh.dev)

- Engineered an automated **Amazon scraping pipeline** using **Bright Data + Cheerio** with scheduled **cron jobs** for real-time price and stock monitoring.
- Designed a **MongoDB** schema for persistent product tracking with historical price data; triggered **Nodemailer** email alerts on price drops.

ACHIEVEMENTS

1st Place: AI Project Expo 2025 | *SRM School of Computing*

2025

- Selected finalist among 30 shortlisted teams; awarded **INR 3,000 cash prize** for engineering excellence.
- Built **Prepwise** — AI voice interview platform powered by **Gemini API** and **Vapi Agent**.

Google Arcade Facilitator Program: Legend Tier | *Top 1% Globally*

2025

Google Cloud Profile

- Earned **105+ badges** across **373 hands-on labs** spanning Google Cloud infrastructure, data, and AI services.