

# UTTKARSH RUPAREL

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## Skills

**Languages:** Java, C/C++, JavaScript, TypeScript, Python, Bash, SQL

**Tools & Frameworks:** AWS(EC2, RDS, S3), Supabase, Vercel, Render, Linux, Docker, Kubernetes, PostgreSQL, MongoDB, Prisma, Next.js, ReactJS, Node.js, Express.js, FastAPI, Redis, Git/GitHub, GitHub Actions, Postman, Tailwind

**Architecture & Fundamentals:** System Design, Data Structures & Algorithms, Object-Oriented Programming, Operating Systems, Computer Organization & Architecture, Computer Networks, Database Management Systems, Software Development Methodologies (Agile/Scrum, SDLC)

**Core Competencies:** Problem Solving, Analytical Thinking, Adaptability, Teamwork, Communication, Attention to Detail

## Projects

### [Anchor](#) — Automated Student Productivity Platform

*Next.js, TypeScript, Supabase, Redis, Docker*

- Built authentication, onboarding, and academic workflows with a structured UI flow; optimized Redis caching to reduce load time **1500 ms** → **250 ms (80% faster)**.
- Developed scalable, modular APIs for assignments, attendance, and schedules, improving maintainability across the system.

### [BitLink](#) — URL Shortener & QR Code Generator

*React, Node.js, MongoDB*

- Built short-link and dynamic QR generation features with an analytics dashboard optimized for high-frequency usage across up to 100 active users.
- Load-tested with 10K+ requests, maintaining **120–180 ms** latency under burst traffic to ensure consistent performance

### [GradCircle](#) — Alumni Engagement & Donation Platform

*Node.js, Express.js, JWT, Docker, Cashfree*

- Implemented JWT auth, RBAC, donation processing, and voicebot integration.
- Dockerized setup to reduce onboarding time from **10 mins** to **2 mins**.

## Education

### **B.Tech in Computer Science & Engineering |**

Symbiosis Institute of Technology, Pune

**CGPA: 7.425**

(2023 - 2027)

### **Higher Secondary Education |**

Excellencia Junior College, Secunderabad

**Percentage: 85.5%**

(2021 - 2023)

### **Secondary Education |**

Pallavi Model School, Secunderabad

**Percentage: 85.5%**

(2020 - 2021)

## Leadership & Achievements

**Hackathon Finalist – ACE 2.0 (2025):** Selected among **400+ teams** for developing a smart governance platform to unify public services.

**Competitive Programming Co-Head, GDSC SIT Pune (Apr 2025 – Present):** Organized coding contests, workshops, and mentorship sessions, engaging **100+ students** and fostering a strong coding culture.

**Social Media Head, SymbiTech'25:** Directed digital outreach and event promotion, boosting participation by **20–25%**; coordinated a GDSC-powered event to enable cross-community collaboration.

## Certifications

[AWS](#): Cloud Practitioner Essentials

[HackerRank](#): SQL (Basic & Intermediate), Problem Solving (Intermediate), Node.js (Basic), Frontend Developer (React)