UTTKARSH RUPAREL

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Skills

Languages: Java, C/C++, JavaScript, TypeScript, Python, Bash, SQL
Tools & Frameworks: AWS(EC2, RDS, S3, DynamoDB, Lambda, EKS), Supabase, Vercel, Render, Docker, Kubernetes, PostgreSQL, MongoDB, Prisma, Next.js, ReactJS, Node.js, Express.js, Flask, FastAPI, Spring Boot, Redis, Git/GitHub, 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
- Built a responsive Next.js + TypeScript platform with Supabase auth, OAuth login, and a structured onboarding flow across **12+ screens** for assignments, attendance, and schedules.
- Added Redis caching for high-frequency academic data, cutting render times from **1200–1500 ms to ~250 ms** and improving repeated load performance by **80%+**.

BitLink: URL Shortener & QR Code Generator
- Developed a full-stack React + Node.js + MongoDB system supporting short URLs, QR code generation, and a clean analytics dashboard for managing **50–100 links/user**.
- Load-tested with **10K+ simulated requests**, keeping core API latency consistently within the **120–180 ms** range under burst traffic.

GradCircle: Alumni Engagement & Donation Platform
- Built the full-stack platform with JWT auth, RBAC for **2 user roles**, and backend APIs for alumni profiles, campaigns, and donation flows.
- Integrated a keyword-triggered voicebot and Cashfree payments, and Dockerized the system to standardize environments, reducing local setup from **8–10 min to under 2 min**.

Education

B.Tech in Computer Science & Engineering |	**CGPA: 7.425**
Symbiosis Institute of Technology, Pune	(2023 - 2027)
Higher Secondary Education |	**Percentage: 85.5%**
Excellencia Junior College, Secunderabad	(2021 - 2023)
Secondary Education |	**Percentage: 85.5%**
Pallavi Model School, Secunderabad	(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)