AYUSH SINGH

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SUMMARY

Dynamic system engineer and founding member at SkyCodeHub, specializing in backend architecture and high-performance solutions. Proven record: reduced bulk upload times by 93%, boosted API speed by 40% for an iGaming platform, and optimized LCP by 35%.

SKILLS

Programming	DSA, Java, JavaScript, Node.js, Express.js, React.js
Databases	PostgreSQL, MongoDB, MySQL, Redis
Tools	BullMQ, Postman, Svix, Axios, Framer Motion
Practices	RESTful APIs, JWT Auth, CI/CD, System Testing, Modular Design

EXPERIENCE

Founding System Engineer — May 2025 – Present
SkyCodeHub, Greater Noida, India

- Architected backend with PostgreSQL, Redis, and BullMQ, cut 1000+ profile upload time from 15 minute to under 1 minute, with automated credential emails and commit/revert safeguards.
- Engineered modular controllers, API validations, fail-safe recovery, and isolated DBs per college for data privacy and resilience.
- Centralized utilities (mail, cache, logs) and dynamic routing to streamline code reuse and maintainability.

Freelance Web Developer — Apr 2025 – Jun 2025
NDA (iGaming, Crypto), Vienna, Austria

- Built responsive MERN gaming e-commerce platform—improved LCP by 35%, supported secure purchases of game keys/passes.
- Integrated Redis caching and validated 500+ req/minute via Postman at 99.9% uptime, boosting API speed by 40%.
- Developed admin panel for centralized management of products, orders, shipping, and user data.

PROJECTS

[Imagify](#) — Mar 2025 – Present
Built a next-gen text-to-image platform using Google Gemini API—boosted engagement by 60%, reduced LCP by 35% with Framer Motion, and secured content via JWT auth (↓ unauthorized access by 98%).

[Game-Commerce Platform](#) — Apr 2025 – Jun 2025
Engineered MERN stack e-commerce site—35% LCP improvement, 40% faster APIs (500+ req/min at 99.9% uptime), and a unified admin panel for product, order, and shipping management.

[API Manager](#) — Jan 2025 – Mar 2025
Developed CRUD API handling 1 000+ req/sec at 99.9% uptime with RESTful MERN design; ensured 100% data integrity via Mongoose and authored Postman/Insomnia SOPs adopted by 10+ developers.

[University Management System](#) — Oct 2024 – Dec 2024
Created a modular desktop app in Java AWT/Swing—scalability ↑40%, responsiveness ↑60%, secure auth (↓ breaches by 90%), and JDBC-optimized queries (↑DB speed by 30%) using multithreading.

EDUCATION

B.Tech in Computer Science Engineering   Expected May 2027
Sharda University, India
GPA: 8.97 / 10.0

Senior Secondary Certificate   Mar 2022
Sant Atulanand Convent School, India
GPA: 76.8%

Secondary School Certificate   Mar 2020
Sant Atulanand Convent School, India
GPA: 87.6%

CERTIFICATIONS

- Full Stack (MERN) Development — GeeksforGeeks, IBM, Udemy
- React JS Certification Course — GeeksforGeeks
- Introduction to Express JS — Simpililearn
- Java Developer — HackerRank, Code360
- Programming Language Foundation Builder — GeeksforGeeks
- Profiles — Credly, Codolio

ACTIVITIES & LEADERSHIP

- Coordinator, Cosmic Club under Technova Society
- Member, OWASP Student Chapter