Harsh Dutt

Chandigarh, India

+91 9915895640 | harshdatt17@gmail.com | hx4sh.vercel.app | HarshDutt17 | harshdutt17

Summary

Passionate Software Development Engineer with robust problem-solving abilities and extensive experience in designing and deploying scalable distributed systems. Proficient in React.js, FastAPI, Spring Boot, and SQL, with a proven track record in performance optimization and delivering impactful projects. Recognized for excellence in technical competitions and hands-on expertise in cloud technologies.

Education

Punjab Engineering College (Deemed to be University)   *Chandigarh, India*
Bachelor of Technology - Computer Science and Engineering   *Nov 2020 - Jun 2024*
CGPA - 8.79

Work Experience

Arcesium   *Gurugram, India*
Software Engineer   *July 2024 - Present*
- Achieved a **65%** improvement in database query performance by implementing advanced indexing strategies and optimizing SQL queries, leading to enhanced system scalability and reduced latency.
- Delivered the migration of **1,000+** business rules to a self-service rule management platform in half the allocated time (0.75 person-months), automating workflows and reducing operational inefficiencies by **30%**.
- Upgraded feed APIs to Bloomberg's Data License Plus services, streamlining data integration and increasing system compatibility with modern platforms.
- Eliminated production bottlenecks and minimized downtime through rapid diagnosis and resolution of critical issues, minimizing downtime and ensuring **99.9%** system reliability.

Arcesium   *Gurugram, India*
Software Engineer Intern   *May 2023 - Jul 2023*
- Implemented **Hazelcast distributed cache management** in a server-side **springboot** application with over **40** tenants, effectively reducing API response time from **3**-digit ms to **2**-digit ms
- Optimized code structures to eliminate redundant database calls in a high-traffic production environment, supporting **160** transactions per second while improving maintainability.

STGI Technologies Consulting Pvt. Ltd.   *Panchkula, India*
Software Engineer Intern   *Dec 2022 - May 2023*
- Led a team to develop a document classification system using **YOLO** object detection and **SVM**, reducing manual application processing time by **5 hours**.
- Deployed and managed ML solutions on **AWS Cloud** (EC2, Sagemaker, Elastic Beanstalk), ensuring scalable and efficient operations.
- Built full-stack applications with Vue.js and FastAPI, incorporating unit testing for both front-end and back-end, and enhanced development efficiency by **30%** through creating custom VSCode extensions.

Foxmula - The Smart Way   *Remote*
Frontend Intern   *Jun 2022 - Nov 2022*
- Reduced bugs by **25%** and integrated frontend with backend in Worksickle project by migrating from HTML and JS to ReactJS.
- Resolved API request and payment process issues for Foxmula website with **1000+** users, ensuring uninterrupted service.

Achievements

- JP Morgan's **Code For Good' 2023** Hackathon Winner   *Jul 2023*
- Certified **AWS Cloud Practitioner**   *May 2023*
- Won **Codeblooded 4.0**, a 24hr-Hackathon   *Nov 2022*
- Qualified as College Finalist for **Smart India Hackathon'22**   *Mar 2022*
- Attained **Global Rank 1** in CodeChef May Long Challenge   *May 2021*