Shubham Somwanshi

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EDUCATION

College of Engineering, Pune　　　　　　　　　　　　　　　　　　　August 2019 – May 2023

B.Tech. in Computer Engineering

TECHNICAL SKILLS

Programming language: Python, C, C++, Java; **Web Technologies:** HTML, CSS, JavaScript, Bootstrap, React, Angular, Spring Boot, Flutter, Flask; **Databases:** SQL, NoSql, Postgres, MongoDB; **Applications:** Data Structures, Computer Networks, Operating System, DBMS, OOPs; Problem Solving

EXPERIENCE

Software Developer - Societe Generale (SocGen)　　　　　　　　　　　Jun. 2023 – Present
Software Engineer　　　　　　　　　　　　　　　　　　　　　　　　　*Bangalore, India*
- Oversaw database maintenance, operation, and refresh cycles for multiple applications, including trade booking, improved database performance, and a 12% reduction in downtime through effective load management, architecture design, schema development, and timely patches and security update scheduling.
- Gained foundational corporate expertise and financial terminology proficiency and optimized server and database management processes, achieving an increase in application scalability and a 35% boost in high-performance metrics for cloud-based solutions.

Software Developer Intern – Dosii　　　　　　　　　　　　　　　　　May 2022 – July 2022
Software Developer　　　　　　　　　　　　　　　　　　　　　　　　*Pune, India*
- Developed the Dosii web app, a SaaS solution for actionable data management in collegiate admissions, which streamlined data processing for over 700+ institutions
- Engineered and integrated key app components using Flutter and Firebase, enhancing user experience by 12% through features such as company pages, advanced dashboard filters, and profile forms.
- Refined search efficiency by 60% through caching and pagination mechanisms.

PROJECTS

HireIt | *Web Development*
- Launched the HireIt Online Job Portal, facilitating seamless interaction between students, job seekers, and companies, resulting in a 16% reduction in placement processing time and an increase in successful job matches.
- Used Python Flask web framework for backend and HTML, CSS, and bootstrap for UI.

HTTP Server | *Computer Networks*
- Developed GET, HEAD, POST, PUT, DELETE HTTP Request Methods, including all headers and status codes.
- Enhanced system reliability by implementing logging, cookie management, and configuration file handling, resulting in a 15% reduction in error reports related to persistent and non-persistent connections.
- Boosted server performance by 40% through the establishment of multithreading, enabling the simultaneous processing of multiple requests.

Linux Multi Threads | *Operating System*
- Implemented multi-threading library in C Language that efficiently controls the flow of threads interleaved.
- Designed and executed a support framework for user-level threads in One-One or Many-One mapping models, enhancing efficiency and streamlining workflows, which contributed to a 40% improvement in independent process execution.

Phone Directory | *Data Structures*
- Introduced a contact management system using the TRIE data structure in C. Elevated the system by implementing secure private contacts, enabling users to safeguard sensitive information.
- Integrated CSV import/export functionality, streamlining data management and allowing for seamless data migration, resulting in a 30% reduction in manual data entry time.

ACHIEVEMENTS

National Level Science Exhibition — Inspire Award　　　　　　　　　　　　　Jun 2017
Selected for the national-level science exhibition at IIT-Delhi with one of 6 innovative projects from 36 districts.

Finalist at AlgoWar'21 — CSI COEP　　　　　　　　　　　　　　　　　　Aug 2021
Reached the finals in AlgoWar'21, a national coding competition organized by the CSI COEP Student Chapter.

AZ-900 — Microsoft Certified: Azure Fundamentals
Earned certificate that tests foundational knowledge of Azure concepts, services, and cloud architecture

EXTRACURRICULAR ACTIVITIES

Event Head @ MindSpark && Media Head @ Science Club – COEP College Clubs　Jan 2021 – Jun 2022
Led a team of 10 coordinators, Managed Accounting portfolios, and used social media platforms to organize clubs.

Cricket — Participation in State Level Tournaments

LANGUAGES

English, Hindi, Marathi