

# Shubham Somwanshi

Pune, India |  shubhamsomwanshi |  shu3102 |  Portfolio

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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