Shreyas Sahane

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SUMMARY

As a Computer Science graduate (M.Sc.) with a passion for backend development, I am currently interning as a Software Development Engineer at Rhythmflows Solutions Pvt. Ltd. In this role, I tackle real-time development challenges, implement new features, and optimize the performance of existing applications. I have a strong foundation in Java, object-oriented programming, data structures, and relational databases, which I leveraged to build a multilingual search recommendation engine and a collaborative online coding platform during my academic projects. I enjoy learning new technologies and collaborating with teams to deliver impactful software solutions.

SKILLS

Programming Languages: Java, C
Databases: PostgreSQL
Tools: Git, Postman API, Dbeaver
Fundamentals: OOP, Data Structures & Algorithms

PROFESSIONAL EXPERIENCE

SDE Intern, Rhythmflows Solutions Pvt. Ltd.
Addressing client-reported development issues, adding new features, and optimizing existing application code.

- Technologies: Angular, Django, PostgreSQL, GitLab, DBeaver, Thunder Client, Django Rest Framework
- Collaborating in an Agile environment to meet client requirements and improve software functionality.

ACADEMIC PROJECTS

Multilingual Search Recommendation System
Built a recommendation engine for fast prefix-based search in Devanagari script.

- Engineered a recommendation system to efficiently handle large-scale prefix searches for multilingual users.
- Developed a Unicode mapping layer to accurately process inputs between ASCII and Devanagari scripts.
- Designed a hybrid trie–AVL data structure to efficiently store and retrieve Devanagari code points.
- Technologies: Java, Git

Online Coding Platform
Developed a collaborative web application enabling users to write, compile, and execute code in real time.

- Collaborated with a cross-functional team to integrate real-time code execution support for Python, Java, JavaScript, and C.
- Implemented features for real-time execution, progress tracking, and a categorized coding problem library.
- Built user registration, secure authentication, and an admin management portal for the platform.
- Technologies: React.js, Go, PostgreSQL, Git

GraphLink Messenger
Collaboratively developed a secure messaging platform enabling private, encrypted communication.

- Designed a graph-based algorithm to manage user connections, friend requests, and messaging workflows.
- Utilized an adjacency bit matrix to support up to 100,000 users efficiently, using just 2.3 GB of storage (2 bits per connection).
- Technologies: Java

EDUCATION

M.Sc. in Computer Science   June 2025
Savitribai Phule Pune University

B.Sc. in Computer Science   May 2023
Sangamner College, Sangamner

LANGUAGES SPOKEN

- English (Intermediate)   • Hindi (Fluent)   • Marathi (Native)