Sandesh Shahapur

+919538386818 | contactsandeshshahapur@gmail.com | linkedin.com/in/sandeshshahapur | github.com/sandeshShahapur

EDUCATION

RNS Institute of Technology   Bangalore, India
Bachelor of Engineering in Computer Science Engineering - 8.37 CGPA   *2022 – 2026*

PROJECTS

SAFA | *Express, React.js, SQlite, Redis*

- Expanded an e-sports tournament service (Discord platform based) to the web, enabling integration with Discord using Discord OAuth with JWT, and Discord API.
- Developed features for player/team/league profiles with detailed stats and role-based views, player recruitment, and team and match management.
- Designed frontend with React, and backend with Express using a three-layered architecture (controller, service, DAO).
- Overcame silent session refresh synchronisation and Discord API rate limit challenges with Redis.

ABotHasNoName | *Python, PostgreSQL*   GitHub

- Developed a custom Discord bot to provide unique features tailored for community management, data insights and automation needs using discord.py Wrapper API and PostgreSQL.
- Improved average server bump rate by nearly 200%, resulting in increased community growth and engagement.
- Employed data visualization with Plotly to provide insightful analytics on community, engagement and interaction patterns, thereby enabling informed decision-making for community growth and management.

Tournament Scheduler | *SpringBoot, React.js, Docker*   GitHub Demo

- Designed and implemented a backtracking recursive algorithm to efficiently schedule sports tournaments.
- Developed a web application integrating Spring Boot backend (hosted on Render using Docker), and React.js frontend, utilising the Fetch API for data retrieval of generated schedules.
- Provided users with an extensive range of scheduling parameters including the number of schedules to be generated (permutations).

JSON Validator | *JavaScript, Bootstrap*   GitHub Demo

- Created a web-page for validating JSON strings and generating an equivalent JavaScript object using JavaScript.
- It employs lexical and syntactical analysis to parse the JSON string and ensures compliance with JSON specifications.
- Provides descriptive error messages for various types of invalid JSON strings.

TECHNICAL SKILLS

Languages: Java, JavaScript, SQL(Postgres), Redis, Python, HTML/CSS, C
Frameworks / Libraries: SpringBoot, Express.js, React.js, SpringBoot, Tailwind, Bootstrap
Developer Tools: Git, Postman, VS Code, IntelliJ, Maven

POSITIONS OF RESPONSIBILITY AND ACHIEVEMENTS

Member, Google Developer Student Clubs (GDSC):

- Organized workshops and seminars in college on web development and developer tools.
- Participated in events aimed at promoting technology awareness.

Ranked 1st among 140 participants in my college's semester competitive programming contest:

- Demonstrated problem-solving skills and algorithmic proficiency.
- Implemented efficient solutions to achieve top performance.

Member, BigO (competitive programming) club