

Saumitra Topinkatti

sbtopinkatti1912@gmail.com | +91 70223 67638

LinkedIn: <https://www.linkedin.com/in/saumitra-topinkatti-45a577208>

GitHub: <https://github.com/SBTopZZZ-LG>

Portfolio: <https://saumitra1912.com>

CAREER OBJECTIVE

As a person who grew up with technology and who is passionate about exploring new skills, I would like to work and succeed in a challenging, progressive, and constantly evolving environment and adopt new skills and technologies to tackle my problems, promote self-development and also help achieve the organisational goals.

EDUCATION

Bachelor of Engineering in Computer Science KLS Gogte Institute of Technology Belgaum	December 2020 - July 2024
XII Govindram Seksaria Science College Belgaum	March 2020
X Dnyan Prabodhan Mandir (ICSE) Belgaum	April 2018

SKILLS

Languages: C/C++, Java, JavaScript/TypeScript, Dart

Databases: MySQL, SQLite, MongoDB, Firestore

Frameworks/Tools: React, Node.js, Jest, JUnit 5, Flutter, Visual Studio, Android Studio, Xcode, GitHub

Other: Operating System, Socket Programming, Unix, Data Structures and Algorithms, Debugging and Testing, Figma

EXPERIENCE

Software Engineer - Infraspac, Bengaluru **June 2024 - Present**

Software Development Intern - Infraspac, Bengaluru **January 2024 - April 2024**

- Had the opportunity to learn Agile Methodologies such as Pair Programming, User-Stories, Iterative Development and Feedback, I.N.V.E.S.T, etc..., hands-on. Also learnt clean code principles such as S.O.L.I.D, and Y.A.G.N.I.
- Had the opportunity to learn Automated Software Testing, and hands-on experience with Java's robust JUnit 5 testing framework, and other useful tools such as Mockito.
- Researched and developed a Discord bot for internal purposes, also implemented Unit Tests using libraries like Mocha, and Chai, and Integration Tests.
- Had the opportunity to learn Java's Spring Boot framework as a part of the boot camp, and learnt the underlying workings such as bootstrapping, beans, and various other Annotations.

Full Stack Development Intern - DataDays, Delhi **August 2023 - December 2023**

- Built and maintained the core API and micro-services of the application using Node.js and Express.
- Researched and implemented verbose Logging on the Backend application, and then seamlessly uploaded the Logs to AWS S3.
- Had the opportunity to learn and understand the business plan of the application, including product description, competition surveys, and development process which employed the Agile Development methodology, software MVP, etc...

Flutter Developer Intern - Tharasis, Bangalore **April 2023 - July 2023**

- Designed and maintained their business app, worked on new features and used Mixpanel to implement analytics tracking.
- Performed rigorous app testing and reported flaws using AWS Device Farm.
- Inquired for various 3rd party services on behalf of the company regarding their plans and options.

Node.js Developer Intern - Forty4Hz, Bangalore **March 2022 - June 2022**

- Built and maintained several core micro-services written in JavaScript, and frameworks like NodeJS to build backend services (REST APIs) and AWS.
- Researched multiple API Documentation like Google's YouTube Analytics/Data API, Facebook GraphQL API, and LinkedIn API.
- Designed flexible unit tests for every functionality that I added with Jest.

ACADEMIC PROJECTS

MLN Dashboard

November 2023 - December 2023

- MLN Dashboard is a project that aims to implement software that can generate, analyze, and visualize complex data sets (relational data sets). This project was a collaborative project, between me, my brother, UTA (University of Texas at Arlington), and UNT (University of North Texas).
- Designed a simple-to-use dashboard using React.js and Vite technologies, with the back-end implemented with Python Flask.
- The dashboard features a Directory browser to browse, save and delete files on a user's file storage, and a UI that enables users to visualize and design relational queries. The prominent feature of the dashboard, which is Visualization, is implemented with the NPM package `reactflow`.
- Users can generate and visualize new/existing queries in the form of flow charts, with automatic validation and data updation dynamically.
- The Flask back-end is implemented to define REST API to support the front-end operations and to store the queries.

Npmjs package: react-use-latest-state

November 2023

- Designed a Npmjs package that addresses an issue while using React's `useState`. Values referenced by `useState` do not get updated inside nested closures and therefore reference older values, which can limit a developer's design architecture and also make debugging difficult.
- The package addresses and implements a solution using React's `useRef`, by simply returning two functions - to retrieve the latest value, and to update the value.

Portfolio Website

May 2023 - June 2023

College Fest Website

February - March 2023

- Created a dynamic website for KLS GIT's Aura festival, featuring curated event listings and streamlined registration processes.
- Utilized React.js, Tailwind CSS for frontend, Node.js, Express.js, and MongoDB for backend, hosted on AWS EC2.
- Admin panel for coordinators built with React.js, Refine MUI, hosted on Netlify for efficient management.

Discord Bot with Node.js

February - March 2023

- Designed a simple Discord game bot using Node.js and Discord.js SDK.
- Implemented a clean design architecture, as per the standard practices.