

# SAYALI MARTAL

☎ +91 9967824628

✉ sayalimartal95@yahoo.com

🌐 [sayalimartal.netlify.app](https://sayalimartal.netlify.app)

🌐 [linkedin.com/in/sayali-martal-57578a121/](https://linkedin.com/in/sayali-martal-57578a121/)

🐙 [github.com/sayali-martal](https://github.com/sayali-martal)

## ABOUT ME

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I am a performance-driven Full Stack Developer with nearly 7 years of experience in all phases of software development. Skilled at delivering high-quality solutions within deadlines along with strong attention to detail and time management. I also have experience in leading teams, mentoring junior developers, and optimizing processes to improve efficiency.

## EXPERIENCES

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### Fractal Analytics

- From 08/2021 – present, Mumbai (Engineer)

- Led a team of junior developers to successfully revamp legacy code and modularize it, creating reusable widget libraries that enabled increased automation and reduced manual intervention.
- Strategically migrated the project's codebase from Redux Saga to Redux Toolkit and shifted from PrimeReact to MUI, enhancing the UI consistency and improving state management within the application.
- Integrated OpenAI and PaLM models into a Python-based tool to generate comprehensive and contextually relevant responses to user queries, enhancing the tool's ability to provide accurate and insightful answers.
- Developed a secure OIDC token-based authentication system using service accounts, ensuring robust and reliable connections to the database while maintaining industry standards for security.
- Architected and built a comprehensive user authorization module that featured separate admin and user panels, facilitating seamless management of user access and permissions.
- Led an analytics project aimed at capturing and analyzing user behavior, which improved the tracking of critical metrics and provided actionable insights for business decisions.
- Enhanced API response times by implementing efficient indexing strategies on database tables and optimizing code, eliminating timeout errors, and boosting system reliability.
- Revamped the data seeding workflow, reducing the process time drastically from 5 hours to just 30 minutes, thus significantly improving efficiency and resource utilization.
- Successfully migrated the backend architecture from a previous structure to a BigQuery and SQL-bricks-based architecture, improving the system's performance and scalability to handle larger datasets and more complex queries.  
(Technologies used: React JS, Express JS, Python, Bigquery, Sequelize)

### Leadge Business Services Private LTD

- From 02/2020 – 08/2021, Mumbai (System Analyst)

- Mentored and trained junior developers for their skill development.
- Built a BI tool that increased customer base by 80-100% and monthly revenue by 100%.
- Developed APIs, reducing data load times by 90% and improving performance.
- Delivered real-time PNL and ERP tools, eliminating manual Excel processing.
- Acted as the point of contact for all critical issues, ensuring smooth operation.  
(Technologies used: React JS, Python, SQL)

### Tata Consultancy Services

- From 12/2017 – 02/2020, Bangalore (Data visualizer, Full stack developer)

- Developed a web tool that reduced manpower by 50% through automated analysis.
- Created data visualizations to simplify complex data insights.
- Built efficient REST APIs and optimized data storage solutions.
- Improved existing code, added features, and resolved critical bugs.
- Automated broadband testbed health checks for reducing manual workload.  
(Technologies used: Angular JS 1.0x, Python, SQL)

## ACHIEVEMENTS

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- **TMT All Hands Award:** I was recognized for exceptional efforts in preparing the web tool which was later presented as a client demo and successfully delivering the handed tasks within a limited turnaround time.
- **Client and Organization-Wide Recognitions:** I received multiple client accolades and Fractal-wide recognitions during town hall meetings for contributions to project success.
- **Star Performer Award (Jul – Sept 2022):** I was awarded as the Star Performer at Fractal Analytics for outstanding performance and dedication.

## PROGRAMMING

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Frontend Languages	React JS, Angular JS 1.0x, Typescript, JavaScript, HTML, CSS, D3 JS, Bootstrap, redux
Backend Languages	Python, Express js, Sequelize (ORM)
Databases	Big query (GCP), MySQL, MSSQL, PostgreSQL, Basics of Mongo DB
Web Technologies	Flask, NPM, Node, SQL-bricks
Servers / Process Manager	Apache, PM2, Jenkins, AWS, Basics of docker
Version Control System	GitHub, GiLab, Bitbucket, SourceTree

## EDUCATION

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**Rajiv Gandhi Institute of Technology**

2013–2017

Bachelor of Engineering in Electronics and Telecommunication CGPA-8.3/10

Mumbai University, India

## PROJECTS

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- Designed and developed personal portfolio website using React JS and deployed on netlify.
- Created a web application to post blogs about travel. The app is made in flask and database is sqlite and deployed on AWS.
- Scraped and analyzed the data to predict if the campaign will complete its goal or not.

## CERTIFICATIONS

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- D3 Js Basics, Coursera, 2021
- Completed Harvard's CS50 course, 2018.
- Acquired SQL certification from Caliber Infotech Solution, 2017.