

# SAGNIK GHOSH

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LinkedIn

GitHub

LeetCode

CodingNinjas

## EXPERIENCE

### Associate at Cognizant

Aug 2022 - Present

Software Engineer

Kolkata, India

- Developed and maintained a **Python** application to calculate lost earnings due to system misalignments, leveraging **SQL** for efficient data management, resulting in a 25% reduction in processing time and ensuring precise monthly fund disbursements to over 10,000 participants.
- Collaborated with cross-functional teams to design and implement key features, ensuring alignment with business requirements and improving overall system performance by 15%.
- Maintained and supported a **Java** application for managing participant data and investments, administering **DBMS** operations, troubleshooting issues, and managing incidents via ServiceNow, ensuring operational efficiency and client satisfaction.
- Delivered innovative **automation** solutions to streamline workflows, significantly reducing operational time and costs, and enhancing overall efficiency, driving a 45% boost in productivity for both clients and internal teams.
- Actively enhancing expertise in **Full Stack** Development (MongoDB, Express.js, React.js, Node.js) and refining problem-solving abilities through consistent practice of Data Structures and Algorithms (**DSA**).

### Intern at Cognizant

Feb 2022 - Jul 2022

Full Stack Developer

Kolkata, India

- Developed high-performance **React.js** apps, optimizing speed, responsiveness, and state management with React hooks.
- Integrated **REST APIs** for dynamic data fetching and real-time updates, ensuring smooth frontend-backend interaction.
- Built scalable backend services with **Java** and **Spring Boot**, ensuring efficient data flow and high performance.
- Managed **SQL databases**, optimizing queries and improving data retrieval performance through indexing and normalization.
- Utilized **Git** for version control, streamlining workflows and fostering seamless collaboration.

## SKILLS

- JavaScript | SQL | PL/SQL | HTML | CSS | Python | Java | OOP | C | Git | GitHub | Firebase | Postman | Netlify | React | Redux | Bootstrap
- Tailwind CSS | Vite | Frontend | MySQL | Oracle SQL | Microsoft SQL Server | DBMS | Relational Database | Generative AI | REST APIs
- DSA | Linux | Teamwork | Time Management | Problem Solving | Communication | Leadership | Personal Development | Adaptability
- English | Hindi | Bengali - ( All professional proficiency or above )

## PROJECTS

### E-Commerce App

| React, Redux, JavaScript, Vite, HTML, CSS, Tailwind CSS, Git

2024

- Developed a modern eCommerce web app using React and Vite, integrating Redux Toolkit for efficient state management.
- Implemented user authentication, dynamic catalog, interactive cart, and smooth checkout for a seamless shopping experience.
- Styled with Tailwind CSS for a responsive, user-friendly interface, featuring advanced product filters (size, color, gender).

### Chat App

| React, Firebase, JavaScript, HTML, Responsive Design, SASS, Git

2021

- Built a real-time messaging app using React and Firebase, featuring secure user authentication and dynamic chat rooms.
- Implemented instant message synchronization and responsive design using SASS for a seamless cross-device user experience.
- Gained hands-on experience in frontend-backend integration, real-time data handling, and version control with Git.

### GitHub Profile Searcher

| React, GitHub API, Auth0, Bootstrap, JavaScript, HTML, CSS

2024

- Built with React and GitHub API, enabling users to search profiles and view details like repositories, followers, and following.
- Integrated Auth0 for secure user authentication, ensuring that only authenticated users can access the search functionality.
- Utilized Bootstrap for a responsive, mobile-friendly design, ensuring cross-device usability.

## CERTIFICATIONS

- React (2x) & Redux
- HTML, CSS & JavaScript
- REST APIs with Postman
- SQL (4x) & PL/SQL
- DBMS (3x)
- Generative AI
- Java & Spring Framework
- Heartfulness Meditation

## EDUCATION

### Heritage Institute of Technology

B.Tech - Applied Electronics and Instrumentation Engineering - **CGPA - 8.0**

2018 - 2022

Kolkata, India

## HOBBIES & INTERESTS

Passionate about coding, photography, fitness, gaming, writing technical blogs on Medium, and continuous learning through reading.