

VISHAL SONY

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EDUCATION

Chandigarh University, Gharuan, Mohali, Punjab
Bachelor of Engineering, Computer Science.

Aug 2020 - June 2024
Overall Percentage: 87

May Flower School, Digha Road, Patna, Bihar
Intermediate (CBSE)

Apr 2018 - Apr 2020
Overall Percentage: 93.8

May Flower School, Digha Road, Patna, Bihar
Matriculation (CBSE)

Apr 2016 - Apr 2018
Overall Percentage: 82

WORK EXPERIENCE

Nikola Charging, India
Frontend Engineer (Intern)

Aug 2022 - Nov 2022

- Developed web applications from scratch on the ec2 server of AWS.
- Visualized real-time data coming from electric vehicles on the Grafana platform.
- Managed the whole documentation portion of the development and progress of the company's application for future employees.
- Engineered authentication functionality for the initial application through Firebase, optimizing the login process to achieve a swift authentication time.
- Skills: Grafana — AWS — Nginx — JavaScript

Pico Soft Solutions, India
MEAN Stack Engineer (Intern)

Jan 2022 - Jul 2022

- Produced and maintained web applications using various technologies, increasing user engagement.
- Designed responsive UI/UX for apps, which led to a surge in cross-device usage.
- Constructed auto-fill search bar from scratch excluding dependency on libraries such as Bootstrap for 2 different use cases.
- Established caching data of over 20 API calls for optimization.
- Modeled data visualization using react-chart-js2 library.
- Skills: Next Js — Postman — TypeScript — JavaScript — Firebase

PROJECTS

RSS Aggregator

Oct 2023 - Jan 2024

- This online application provides a lightweight and efficient RSS feed aggregator written in Go in which you can easily add, remove, and prioritize your RSS feeds.
- Utilizes PostgreSQL for storing user data, achieving connections with faster response times.
- Leverages Go's concurrent programming model for efficient feed fetching.
- Has robust CI/CD pipeline integrated with testing, linting, styling, and security checks for reliable and secure code delivery.
- Includes sample Kubernetes configuration files for easy deployment and management in a containerized environment.
- Tools used: Go — PostgreSQL — Postman — Go-Chi — Docker — CICD — Kubernetes

Touch-In Time

Jul 2023 - Oct 2023

- Built with React Native, this app seamlessly integrates NFC technology in education. It allows teachers to record attendance by tapping students' ID cards on an NFC sensor present on their mobile phones.
- The streamlined solution simplifies administrative tasks, enabling efficient management of student attendance, and promoting a more productive learning environment in educational institutions.
- Utilizes the Lottie libraries to seamlessly incorporate user-friendly animations, resulting in an enhanced animation loading speed.
- Tools used: React Native — JavaScript — Node Js — NFC — Flex Box

Thought Organizer

Jan 2023 - Jun 2023

- This innovative React-based application, thoughtfully employing the power of Flexbox, achieves an impressive responsive design.
- It excels in providing a unified platform for a more effortless and streamlined organization of daily thoughts, routines, and the convenient uploading of various media files.
- Employs React Suspense for lazy loading, enhancing data load time optimization.
- Leverages Firebase for efficient data storage and swift API calls.
- Tools used: React — CSS — JavaScript — Bootstrap — Flex Box

TECHNICAL SKILLS

**Programming Languages
Tools & Technologies**

Go, C, C++, Python, Java, JavaScript
React js, React Native, Grafana, MySQL, Mongo DB, Firebase, Spring Boot, Spring Data,
Spring Security, Microservices, Docker, CICD, Kubernetes

ACHIEVEMENTS

- Positioned **top 50 nationwide** Coursera employability hackathon 2023.
- Finalist** at Cisco Ideathon 2023.
- Beta Microsoft Learn Student Ambassador 2022.