

# Sloka Sawan

Software Engineer

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## Skills

- **Languages:** C, C++, JavaScript, TypeScript, SQL, LaTeX
- **Programming Skills:** Data Structures, Algorithms, OOPs, Microservices
- **Frameworks:** Apache Kafka, NestJS, Jest
- **Tools:** Postman, Jenkins, DataDog, Grafana, ArgoCD, Redis, MongoDB, PostgreSQL, VSCode, Git/GitHub, Render, Vercel

## Technical Experience

- **PHYSICSWALLAH** | Backend Developer | Noida Jun'23 - Present
  - Drafted the **Low Level Diagram** for 4 **PRD** and accomplished the required flow, including **Unit Testing**
  - Rectified the Juspay payment flow for over **1 million** pending transactions, introducing new APIs to handle all edge cases
  - Enhanced existing APIs by implementing **Redis** cache and improving the **Time Complexity**, thus reducing **p90 latency** from **500-600 milliseconds** to **25-30 milliseconds**, as observed via **DataDog, Grafana**
  - Designed and executed an **Invoice** template, streamlining purchase calculations for various package buying conditions, resulting in a **30% reduction** in processing time
  - Successfully integrated an **SMS API**, automating invitation messages to students upon session booking, including the meeting link, leading to a **50% increase** in session attendance
  - Pioneered new innovations, such as a **Payment landing page and enhancements to Cohort changes and Batches**, driving a **20% improvement** in user engagement metrics
  - Engineered a **Snooze** feature utilizing a **Linked List** concept, resulting in a **15% increase** in plan upgrades and user retention
  - Spearheaded initiatives focused on optimizing **Cohorts, Batches, Payment flow, and Batch-Scheduling**, resulting in a **25% enhancement** in overall platform efficiency
  - Technologies: **NodeJS, NestJS, Apache kafka, Jest, MongoDB, Redis, PostgreSQL, Jenkins, DataDog**
- **BUZZLE** | Web Developer Intern | Bangalore June'22 - Aug'22
  - Integrated APIs and Payment Gateways for **over 100** Exclusive Live Events
  - Resolved Virtual Static Space issue with **socket.io**, boosting user engagement by **30%**
  - Worked on Audio interaction with **70% efficiency** during live collaboration
  - Technologies: **NodeJS, ReactJs, MongoDB, HTML/CSS, socket.io**
- **MADIEE GAME** | Web Developer Intern | Chennai Jul'21 - Aug'21
  - Developed a multiplayer game inspired by the Wavelength board game, garnering **1,000+** downloads in its debut month
  - Crafted an engaging guessing game with **ReactCSSTransitionGroup**, boosting user interaction by **30%**
  - Created a Points Table with basic **OOPS** concept, enhancing user experience and boosting player retention by **20%**
  - Technologies: **NodeJS, ReactJs, MongoDB, HTML/CSS, socket.io, PeerJs**

## Projects

- **IDENTITY-RECONCILIATION** April'24 - April'24
  - Increased customer satisfaction by reducing order processing time by 30%.
  - Improved data accuracy, resulting in a 20% decrease in order errors.
  - Enhanced customer retention by providing a seamless experience, leading to a 15% increase in repeat purchases.
  - Technologies: **NestJS, NodeJs, PostgreSQL, Render**
- **SMART-CLASSROOM** | Hackathon July'22 - Aug'22
  - Led a team of 3 students to build a virtual classroom on top of google classroom in **Flipr Hackathon x 2021**
  - Fulfilled the features where instructor can create and join classes, have video conference and push 100 assignments
  - Deployed the server as well as client codebase on **AWS(EC2)** server with additional google authentication for login
  - Implemented **JWT** to store user data, including encrypted passwords, resulting in a **70% decrease** in security breaches
  - Technologies: **NodeJs, ReactJs, JWT auth, MongoDB, HTML/CSS**

## Achievements

- Rated **1538** on **LeetCode** with a best global rank of **4233** among **22000**
- Highest Rating **1552** on **LeetCode** with global rank of **5898** among **21000**
- Solved **450+** Problems on **LeetCode**

## Education

- **Dr B R Ambedkar National Institute of Technology** 2019 - 2023
  - B.Tech in Industrial and Production Engineering CGPA - 7.78