

# SHASHANK DWIVEDI

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## EXPERIENCE

### Software Engineer at *SmartReach.io*

(06/2022 - Present)

Remote

- **Frontend Development UI:**
  - Designed reusable components, increasing scalability and reusability across projects, reducing design time by **30%**. Implemented functional and class-based components.
- **Backend Development API:**
  - Created task scheduling for automating LinkedIn, email, whatsapp and call campaign steps, boosting efficiency and engagement.
  - Constructed efficient schema designs and optimized PostgreSQL queries, cutting execution time by **30-70%**.
  - Conducted comprehensive testing, resolving **150+** bugs, enhancing feature reliability.
- **Third Party API Integrations:**
  - Integrated **Mailsoso** for email infra and **Twilio APIs** for cold calling reducing campaign initialization by **10x**.
  - Built call collaboration features using Twilio-sdk like listen, barge-in, and whisper modes, boosting team performance by **40%**.
  - Created hyper-personalized outreach content using LLMs, based on prospect data and campaign target. Utilized **RabbitMQ** with Cron for managing rate limits from third-party libraries.
- **Chrome Extension Development:**
  - Crafted **SmartReach Task Manager** to automate tasks, increasing user efficiency via a Google Chrome extension. More than **200+** people are currently using it.
- **Software Development Best Practices:**
  - Conducted code reviews, optimizing code structure by separating business logic from I/O processes in DAOs and controllers for better code maintainability and scalability.

### Software Engineer Intern at *SmartReach.io*

(03/2022 - 06/2022) -

Remote

- Automated a manual reporting using a **reporting framework**, improving the speed of metric retrieval by **75%**.
- Engineered a billing service using Stripe and FastSpring Apis and web-hooks, simplifying client billing processes and showing invoices in a better manner.

### DRDO Apprenticeship

(01/2021 - 06/2021) -

Remote

- Conceived a **stampede management application** with Python and OpenGL, reducing crowd risk by **40%**.
- Facilitated better understanding of human behavior by simulating a stampede and knowing areas of danger.

## SKILLS

- **Backend Development:** [Scala](#), Play, Akka, Pekko, Python, C++, Flask,
- **Frontend Development:** TypeScript, React, Redux, Axios, HTML, CSS, TailwindCSS
- **Miscellaneous:** CICD, GCP Logs, RabbitMQ, PostgreSQL, Scylla-cache, Functional Programming, CloudFlare, Chrome Extension, Machine Learning, LLM, OpenAI, Redis, Git, Dependency Injection, Maven, SBT, REST API
- **Soft Skills:** Collaborative, Bias for action, Deliver Results, End-to-End Ownership

## PROJECTS

### CodeSmart.in ([Check it out](#))

(01/2024 - Present)

- Led a team of 5; **designed the system from scratch**; integrated Razorpay for payment processing; implemented cron for daily credit updates; structured code with **PostgreSQL** into multiple services, controllers, and DAOs.
- Leveraging GPT-4 and Google's Gemini API, **crafted a Chrome extension** that captures coding questions on Leetcode, providing tailored hints, examples, and solutions.
- Developed a **responsive user experience** with React, TypeScript, and TailwindCSS, leading to increased user engagement.
- Achieved secure user authentication by implementing Firebase, resulting in a protected login system for **100+** signups.
- Expanded user reach with a Chrome extension, installed by **50+** users.

## EDUCATION

- **B.Tech** (Computer Science and Engineering):  
Rajkiya Engineering College Sonbhadra  
Graduated: 06/2022  
**CGPA - 8.02**

## HONORS AND ACHIEVEMENTS

- Solved over **300+** problems.
- Achieved **5-star rating** in technical coding problems on [HackerRank](#).
- **Led a team** of 10 in the Cultural club