Sparsh Jain

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Education

Year	Degree	Institution	Score
2024	B. Tech in Computer Science	Indian Institute of Information Technology, Dharwad	7.83 CPI
2019	Intermediate(+2), CBSE	India Overseas School	88.60%
2017	Matriculation, CBSE	Warren Academy School	9.40 CPI

Skills

- **Course Work**: Data Structures & Algorithms, Object Oriented Programming, Software Engineering, Database Management System, Operating Systems, Computer Networks, Cryptography & Security, Machine Learning, Artificial Intelligence, Cloud Computing
- **Programming Languages**: C/C++, Java, Python, JavaScript, TypeScript, SQL/noSQL, HTML/CSS
- **Frameworks**: React.js, Next.js, Express.js, Node.js
- **Other Tools**: Selenium Web Driver, Tailwind CSS, Recoil.js, Prisma, Git, GitHub, MySQL, NeonDB, AWS, Cloudflare Workers, Docker, GraphQL

Achievements

Winner Developthon 2022
Developed "Sahay" at Deshpande Startups Hackathon, connecting rural hospitals with urban ones in 36 hours.

Caterpillar Presentation Award
Received Best Presentation Award at Caterpillar Inc during internship, showcasing 2D model of ILIS team ops to VP.

Responsibilities

Google Developer Students Club
Web Development Core Team Lead

National Service Scheme
Plantation Team Lead for Campus

Other Courses

Data Structures and Algorithms
On Geeks for geeks

Full Stack Development Cohort
From 100Xdevs

Web Developer Bootcamp
On Udemy

Online Platforms

Leetcode — Profile
550+ Problems Solved

GFG — Profile
750+ Overall Coding Score

Codeforces — Profile
1200+ Rating

Summary

Final year B. Tech student majoring in Computer Science and Engineering at IIIT Dharwad. Proficient in full-stack web development and problem-solving. Core stack includes C++, JavaScript, React, Next.js, Node.js, and MongoDB. Familiar with Recoil, PostgreSQL, TypeScript, and Prisma

Work Experience

Caterpillar Inc. — June 2023 - Aug 2023
Software Engineer Intern — Bengaluru, Karnataka

- Developed automation testing scripts using Java and Selenium, supported by Maven for project dependencies.
- Utilized dynamic XPath for efficient data processing from TOCS Shipping Request and QTable results.
- Enhanced shipment creation robustness for India and Thailand, adjusting pickup timings.
- Implemented updates for Brazil shipment creation and decoupled dependent scenarios, streamlining processes.
- Supported SAP SPM Load testing task to improve software quality, leveraging TestNG for comprehensive test coverage.

Projects

Blogging Website — Link
React, Cloudflare workers, zod (validation), TypeScript, Prisma (ORM), PostgreSQL, JWT (authentication)

- Developed a web application inspired by Medium for users to create, publish, and read blog posts.
- Implemented frontend using React.js, TypeScript, and Tailwind CSS for styling.
- Utilized Cloudflare Workers for the backend, integrating zod for data validation and Prisma for database operations with PostgreSQL.

ChatKaro.com — Link
React.js, SCSS, Context API, Firebase

- Real Time Chat Web Application
- Auto fetch chats as they update in the database
- Implemented beautifully designed React components for enhanced user experience
- Integrated Firebase for seamless user authentication and registration

Paytm Wallet Clone — Link
Express, mongoose, Docker, zod, React, Tailwind

- Implemented user authentication and authorization using Express and MongoDB, with input validation using Zod.
- Ensured data integrity through atomic transactions and session management in MongoDB.
- Enabled user search for seamless money transfers, with an intuitive React frontend styled using Tailwind CSS.

Interests and Talents

- Profited from crypto investments and Indian market trading.
- Committed to fitness for three years.
- Enjoy playing guitar for relaxation and creative expression.