

# Darshan Solanki

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## EDUCATION

Bachelor in Computer Engineering from **G.H. Patel College of Engineering & Technology** CGPA: 7.8 **Aug 2021 - May 2024**

Diploma in computer Science from **Tolani Foundation, Gandhidham Polytechnic** CGPA: 9.27 **Aug 2018 - April 2021**

## SKILLS SUMMARY

- **Languages:** TypeScript, Java (Data Structure & Algorithms), Python, C
- **Libraries:** React.js, Node.js, Express.js, Prisma, Recoil, Bootstrap, Tailwind, Styled Components
- **Tools:** NPM, Vite, Git, Vercel, Postman
- **DBMS packages:** MySQL, PostgreSQL, MongoDB

## WORK EXPERIENCE

Associate Software Trainee | TCS **Sept 2024- Present**

- Spearheaded backend development projects using Node.js and Express.js, delivering scalable and secure RESTful APIs with comprehensive documentation for seamless integration.
- Engineered robust authentication and authorization systems using JWT, enhancing application security and user privacy.
- Collaborated closely with cross-functional teams to deliver high-quality, client-centric software solutions aligned with project goals.

Freelancer | Upwork, Referrals **May 2023- Sept 2024**

- Successfully delivered diverse freelance projects for clients in **Canada** and **India**, specializing in **backend development** with Express.js and Node.js, and web development using Bootstrap, Tailwind and PHP.
- Contributed to a project focused on assigning part-time nurses to hospitals, with a primary role in backend development utilizing Express.js, Node.js, and MySQL.
- Developed and managed middlewares for efficient request handling, created modular and reusable routes, and ensured data integrity by validating frontend data schemas using Zod.
- Improved application security and reliability under high traffic by implementing IP-limiting mechanisms.

Anomaly Enterprise | **Certificate** **Dec 2023- May 2024**

- Designed and developed a responsive website for a startup using Bootstrap, MySQL, and PHP, delivering a user-friendly interface and functional features.
- Focused extensively on backend development with Node.js and Express.js, creating seamless and well-documented RESTful APIs to enable efficient client-server communication.
- Implemented middlewares to handle validation, error management, and logging, ensuring secure and optimized API workflows.
- Developed robust **authentication and authorization mechanisms**, enhancing the security of user data and system access.

TatvaSoft, Ahmedabad | **Certificate** **May 2023- June 2023**

- Designed and developed an online book-selling platform that enabled users to buy and sell books by creating accounts, using the MERN stack.
- Implemented user authentication and account management, ensuring secure and seamless interactions between buyers and sellers.
- Collaborated on front-end features using React.js, Axios, and Formik, delivering a user-friendly and responsive interface.

## PROJECTS

PayDM | **Live** | **GitHub**

- This project demonstrates a PayTM clone where users can sign up and register on our platform to receive some signup paper money. They can transfer the money to their friends who are already on the platform.
- Technologies used: React.js, Node.js, Express.js, MongoDB, JWT, bcrypt, Axios, Vite, Vercel

Stock Market Screener | **During 7<sup>th</sup> SEM** | **link**

- Collected and analyzed a minimum of one year's historical data for NSE and BSE stocks, implementing sorting algorithms to prioritize stocks based on custom strategies.
- Developed a Python-based simulation to filter stocks for potential long or short positions, aiding strategic investment decisions.
- Technologies used: Python, numpy, pandas

Interactive Quiz System | **During 6<sup>th</sup> SEM** | **GitHub**

- Developed an interactive quiz system leveraging computer vision to enable gesture-based user interaction, enhancing accessibility and engagement.
- Implemented hand gesture recognition, allowing users to navigate quizzes intuitively, creating a more immersive experience.
- Technologies used: Python, Opencv, MediaPipe, CVzone, numpy, pandas