Shiv Pratap Singh

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EDUCATION

Vellore Institute of Technology   Bhopal, India
Bachelor of Technology - CSE (Gaming Tech) GPA: 8.4   *09/2021 - 08/2025*

SKILLS SUMMARY

- **Languages:** JAVA, HTML5, Tailwind CSS, JavaScript, SQL
- **Frameworks/Libs:** ReactJS, NodeJS, ExpressJS
- **Platforms:** Firebase, Mongoose, Postman, Cloudinary, Figma, Blender, AWS
- **Soft Skills:** Leadership, Event Management, Stress Management
- **Certifications:** AWS Cloud Practitioner, Postman API Fundamentals Student Expert Certification

PROJECTS

- **Dynamic Certificate Generator**: | *Tech: MERN, PDFKit, AWS S3, JWT , QR Code Generator, Nodemailer*
  - Implemented a certificate generation feature allowing admins to upload, create, and update certificates, embedding dynamic QR codes on the first page for verification purposes.
  - Used PDFKit to generate PDF certificates from HTML and CSS, providing customizable and automated certificate creation in the backend.
  - Integrated Amazon S3 for secure storage of generated certificates, with URLs stored in a MongoDB database for easy retrieval and verification.
  - Developed APIs to mark certificates as valid/invalid, with detailed version history for tracking admin changes and implemented a Single Logout feature using JWT, ensuring secure simultaneous logout from all sessions to enhance security.

- **Full Stack AI Trip Planner**: | *Tech:HTML, Tailwind CSS, ReactJS, Firebase, Gemini AI.*
  - Designed a full-stack AI trip planner, featuring an aesthetic UI/UX, ensuring accessibility and user-friendly interfaces across devices.
  - Integrated AI Gemini to generate detailed trip plans showcasing 3 features places to visit, accommodation options and estimated costs.
  - Leveraged React JS for dynamic front-end development and utilized Firebase for real-time database management, ensuring seamless data storage and retrieval.

- **Job Seeking Portal**: | *Tech: HTML5, CSS, JavaScript, ReactJS, ExpressJS, NodeJS, Mongoose, JWT, Cloudinary.*
  - Engineered a robust MERN stack job seeking platform with 4 main functionalities secure authentication, profile management, job search, and real-time tracking.
  - Optimized user experience with responsive design principles, ensuring accessibility across devices and boosting user engagement.
  - Leveraged scalable architecture, and improving employer satisfaction.

- **Product Generator**: | *Tech: HTML5, CSS, JavaScript, ReactJS.*
  - Developed a web-based product design platform allowing users to customize T-shirts and cups by adding text, images, and applying design effects.
  - Implemented user-friendly features like image uploading, text editing (bold/italic), and effect filters, enhancing user interactivity.
  - Integrated dynamic canvas manipulation using HTML5 and Fabric.js for real-time product preview and customization.

EXTRA-CURRICULARS AND ACCOMPLISHED

- Participated in Hacktober Fest 2023 with 5 accepted pull requests.
- Attained 5 stars in Java on HackerRank, demonstrating proficiency in Java programming, and algorithm design.
- Attained 55th rank in a national-level trading competition organized by IIT Bhuvneshwar.
- Solved 350+ LeetCode and 200+ GeeksForGeeks problems in data structures and algorithms.

ADDITIONAL INFORMATION

- **Hobbies**
  Trading, gaming and reading newspapers.

- **Languages**
  English, Hindi