

Arpita Singh

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EDUCATION

SRM Institute of Science And Technology

B.Tech, Computer Science

Chennai, Tamil Nadu

May 2022 – May 2026

EXPERIENCE

Quantum Computing Intern

DRDO, SAG Labs

May 2024 – June 2024

Metcalfe House, Delhi

- Explored Shor's Algorithm in Quantum Computing using Python and Qiskit. Collaborated with Scientist-E to contribute to one pivotal research project, resulting in a published paper. This effort earned an Internship Certificate, solidifying the impact of the work.
- Led a team, driving project success and ensuring timely completion of all deliverables.

Research and Development Intern

State Bank Of India

December 2023 – January 2024

Dhanbad

- Collaborated on the development of a comprehensive guide titled 'Mitigating the Growing Menace of Financial Cybercrime,' focusing on personal protection strategies. Worked under the guidance of a mentor and received a certificate of completion for the project.
- Research and Analysis: Researched and documented 30+ case studies of phishing attacks, detailing methods and impacts; findings were shared in a team workshop attended by 15 employees, enhancing awareness and prevention strategies.
- Collaboration: Collaborated with a team of 5 to compile, edit, and review a 200-page guide, achieving complete accuracy and improving user satisfaction by 15 percent.

PROJECTS

React Invoice Generator | *HTML, CSS, JavaScript, React*

November 2023 – March 2024

- React-based web app enhances invoice generation, boosting business efficiency by 30 percent.
- Featuring an intuitive and user-friendly interface, our system streamlines data input, automates tax calculations, and seamlessly enables efficient invoice printing for an enhanced user experience.
- It is used with over 10 clients, validating its effectiveness and reliability in real-world scenarios.
- <https://react-invoice-generator-three.vercel.app/>

Food-Court-Website-using-Springboot | *React, Bootstrap, Springboot,*

September 2024 – November 2024

- Built a responsive three-tier food court system using React, Spring Boot, and a robust database, streamlining order and inventory management.
- Integrated RESTful APIs for seamless frontend-backend communication, enabling real-time updates and boosting efficiency by 25 percent.
- Designed a modular repository layer with Spring Data JPA and Hibernate for secure, scalable CRUD operations
- <https://github.com/ArpitaSingh25/Food-Court-Website-using-Springboot>

TECHNICAL SKILLS

Languages: C/C++, Java, Typescript, JavaScript, Bash, HTML/CSS

Frameworks: Next.js, Springboot, Node.js

Tools and Technologies: Google Cloud Platform, Microsoft Excel, Microsoft Office, VS Code, GitHub, Git, Amazon Web Services (AWS), CI/CD, Docker, Kubernetes, MySQL

Libraries: React.js, MongoDB

Certifications: AWS, Oracle, Nptel

OTHER WORK EXPERIENCE

Web Development Coordinator

Newton School Coding Club SRM

November 2023 – May 2024

Chennai, Tamil Nadu

- Worked closely with the tech team to contribute to multiple projects, ensuring on-time implementation using the React tech stack.
- Successfully completed two projects under faculty guidance and led the development of the club's website.