

Sehajbir Singh

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SKILLS

- **Languages:** C, C++, Java, JavaScript, PHP
- **Frameworks:** HTML and CSS, Bootstrap, Node.js, React.js, Redux, Express.js, Tailwind CSS
- **Tools/Platforms:** MySQL, MongoDB, Git, Git-hub, Postman, Kali Linux, Hacking and Exploitations.
- **Soft Skills:** Problem-Solving Skills, Team Player, Project Management, Adaptability

TRAININGS

Trainee Engineer – GRD Inductions

July 2022 – May 2023

Embedded Engineer

- Prepared induction machine mainboards and drivers, ensuring high-quality technical outputs.
- Conducted industrial visits to oversee operations and provide on-site technical support.
- Addressed and resolved client technical complaints, enhancing customer satisfaction.
- Developed hands-on expertise in electronics systems, troubleshooting, and operational workflows.
- Collaborated with team members to achieve project objectives, showcasing strong communication and problem-solving skills.

Embit Plus

April 2022 - March 2023

Trainee

- **Project Overview:** Managed an IOT project using Arduino, focusing on advanced connectivity and automation. The project integrated smart devices for fast data sharing and real-time monitoring.
- **Home & Office Automation:** Smart assistants (Google Assistant, Alexa) and systems like smart lighting & automated door locks.
- **Tech stacks used:** Arduino, Phone Application.

PROJECTS

Snap bite Food Ordering Website [React.js, MongoDB, Node.js]

August 2024 - December 2024

- Developed a responsive food ordering system with a seamless UI.
- Implemented JWT authentication for secure user login.
- Integrated Razorpay for secure payments.
- Enabled real-time order tracking and cart management.
- Built a scalable backend with Node.js & MongoDB.
- Designed an admin panel for order & menu management.
- Added dynamic filtering & search functionality for better UX.

Tech: React.js, Node.js, Express.js, JWT, Razorpay, Redux.

Social Club NGO

August 2024 – December 2024

- Developed a Volunteer Management Platform with secure authentication and role-based access control.
- Designed and optimized a MySQL database to manage volunteer profiles and activity logs.
- Built an admin dashboard for task assignments, real-time tracking, and report generation.
- Implemented real-time notifications and automated email alerts for task updates.
- Ensured mobile responsiveness and security (HTTPS, SQL injection prevention).

Help Buddies-Chatting Application

January 2024- June 2024

- Developed a task management & assistance app for mobility-impaired users.
- Built a real-time chat system using Socket.IO for instant communication.
- Designed secure authentication with JWT & Passport.js.
- Managed data storage with MongoDB & Mongoose for scalability.

Women Safety SOS Button

January 2022- June 2022

- Developed a task management & assistance app for mobility-impaired users.
- Developed a women's safety SOS emergency button system using Arduino UNO, GSM, and GPS modules, enhancing personal security during emergencies.
- Successfully integrated GSM and GPS technologies to enable real-time location tracking and automated SMS alerts to predefined emergency contacts.
- Engineered a user-friendly interface with a push-button activation system, ensuring quick and reliable emergency response.
- Designed and implemented a power-efficient safety device with a compact PCB layout, optimizing system performance and reliability.

CERTIFICATES

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| • Certificate of Completion – Alpha (Data Structures & Algorithms with Java) | June 2023 – July 2024 |
| • Certificate of Completion – Core and Advanced Java | June 2023 – July 2024 |
| • Server-Side JavaScript with Node.js | June 2023 – July 2024 |
| • The Bits and Bytes of Computer Networking Coursera | March 2024- April 2023 |
| • Certificate Ethical Hacker Secuneus | January 2020 – February 2021 |

ACHIEVEMENTS

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| • Secured 20th Rank in Punjab in Punjab State Board of Technical Education (PSBTE) | June 2022 |
| • Attended the SSB Camp at 2 Punjab Battalion | January 2021 |
| • Win 2 nd prince in Red Ribbon Club | June 2021 |
| • Served as Class Representative Diploma in ECE | June 2022 |
| • Successfully attended the Thal Sainik Camp (TSC) at 2 Punjab Battalion, NCC | January 2020 |
| • Represented Punjab as Zonal Lawn Tennis Player in Sonipat | June 2018 |

EDUCATION

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|---|--|
| • Lovely Professional University
Bachelor of Technology - Computer Science and Engineering; CGPA: 7.00 | Punjab, India
Since August 2025 |
| • Mehr Chand Polytechnic College
Intermediate; Percentage: 79% | Jalandhar, Punjab
June 2019 - June 2022 |
| • C.T Public School
Matriculation; Percentage: 69% | Jalandhar, Punjab
April 2017 - March 2018 |