

# KARAN YADAV

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## EDUCATION

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<b>Lyallpur Khalsa College Technical Campus</b> <i>Bachelor of Technology in Computer Science and Engineering (GPA: 4.00 / 4.00)</i>	Expected July 2023 <i>Jalandhar, Punjab</i>
<b>Kendriya Vidyalaya No.4</b> <i>XII   Non-Medical (CBSE)</i>	2018 <i>Jalandhar, Punjab</i>
<b>Kendriya Vidyalaya No.4</b> <i>X (CBSE)</i>	2016 <i>Jalandhar, Punjab</i>

## PROJECTS

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### Snapzy - Social Media Platform | *React.js, Redux, Tailwind CSS, Node.js, Express.js, MongoDB, Socket.IO, shadcn/ui*

- Developed a full-stack social media platform using the MERN stack (MongoDB, Express.js, React.js, Node.js) with 5+ key features, enabling seamless user connectivity through posts, comments, messaging, and real-time interactions.
- Designed and deployed scalable **REST APIs** using **Node.js** and **Express.js**, ensuring high performance and security with **JWT authentication**.
- Implemented **real-time notification** and **chat** functionality using **Socket.IO**, enabling instant updates on likes, follows, and seamless communication between users, enhancing engagement.
- Developed dynamic and responsive UI components using **React.js**, **Redux**, **Tailwind CSS**, and **shadcn/ui**, enhancing user experience and ensuring consistent design across the platform.
- Created a universal feed to display posts from all users, with features like double-tap to like, comments, and bookmarks to drive engagement.
- **Live Link** | **GitHub**

### Project Name 2 | *Spring Boot, Express.js, TensorFlow, PyTorch, jQuery, Bootstrap*

- Developed a data visualization dashboard using D3.js, providing stakeholders with real-time insights and improving decision-making processes.
- Built a CI/CD pipeline using Jenkins and Docker, reducing deployment time by 40% and ensuring consistent and reliable releases.

### Project Name 3 | *Python, Flask, Jinja2, Firebase, Bootstrap*

- Contributed to an open-source project on GitHub, collaborating with a global community and achieving 500+ stars and 50 forks.
- Implemented automated testing for a critical module using Selenium, reducing regression bugs by 30% and ensuring a more stable release cycle.

## TECHNICAL SKILLS

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**Frontend:** HTML, CSS, JavaScript (ES6+), React.js, Redux, Tailwind CSS

**Backend:** Node.js, Express.js, Mongoose, Socket.IO, Authentication(JWT)

**Database:** MongoDB

**Tools:** Git, GitHub, Postman, npm, VS Code, ESLint, Prettier, Webpack, Vite,

**Concepts:** OOP, RESTful APIs, JWT, Agile Methodology