

# Abhinav Singh

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✉ [official.abhinavsingh15@gmail.com](mailto:official.abhinavsingh15@gmail.com) | ☎ +91 8674996658

## EDUCATION

**Panjab University**  
*Bachelor of Engineering in Computer Science*

Punjab, India  
2020 – 2024

Grade Points : 8.30 / 10.00

## TECHNICAL SKILLS

**Languages** : C/C++, JavaScript  
**IT Constructs** : Data Structures and Algorithms, Object-Oriented Programming (OOPS)  
**Web** : HTML, CSS, JavaScript, ReactJS, Redux, NodeJS, ExpressJS, RESTful API  
**Databases** : MongoDB, MySQL  
**Dev Tools** : Visual Studio Code, Git & GitHub, Postman, Chrome Dev Tools

## PROJECTS

**ConnectU** [↗](#) **Source Code** [↗](#) *ReactJS, Redux, NodeJS, ExpressJS, MongoDB, Mongoose*

- Developed a social media web application connecting diverse users and enabling online interactions.
- Crafted a highly intuitive and visually engaging frontend using **ReactJS**, resulting in user satisfaction and an overwhelmingly positive user experience.
- Implemented robust backend functionalities with **NodeJS** and **ExpressJS**. Built **REST API** leading to effectively managing of data flow and server-side operations.
- Utilized the power of **MongoDB** for efficient data management, ensuring the data integrity of 100% users, and used **Mongoose** for schema validation and smooth communication with database.
- Assured the security through the implementation of user authentication and authorization using json web token. Also have feature of Login and **Sign up with Google**.
- Achieved seamless mobile user experience through the creation of **responsive design**.

**BlogApp** [↗](#) *ReactJS, NodeJS and ExpressJS, MongoDB*

- Developed a web application facilitating seamless blog consumption, interactive creation, and efficient publishing, leveraging **ReactJS**, **NodeJS**, **ExpressJS**, and **MongoDB** technologies.
- Designed a set of features, encompassing blog reading, writing, seamless updating and deletion, and engaging user comments functionality which increases user engagement.
- Enforced security for 100% users by integrating login and sign up functionality using json web token.
- Employed responsive design techniques to ensure compatibility with smaller screen devices, enhancing user experience and accessibility.

**ContactSync** [↗](#) *ReactJS, NodeJS and ExpressJS, MongoDB*

- Crafted a robust web application for efficient contact management, catering to the needs of 1000s of users, utilizing ReactJS, NodeJS, ExpressJS and MongoDB, which empowers the users with the capability to save and organize contacts' details, including names, phone numbers, email addresses.

## ACHIEVEMENTS

- **secure-password-check** [↗](#) : Published an **NPM(Node Package Manager)** module on npmjs.com which checks strength of password, validate and helps the user to choose a strong password. It reduces the lines of code and saves the development time.
- Solved over 350 problems challenges on platforms like LeetCode, CodeChef, and CodeForces, demonstrating a strong passion for problem-solving.
- Proactively acquired and applied the latest cutting-edge technologies to successfully conceive, design, develop the web applications showcasing an innovative approach to technology.