

Chirag Punia

[Portfolio](#) | [LinkedIn](#) | [GitHub](#) | [GFG](#) | [LeetCode](#) | cpunia_be21@thapar.edu | +91-9501545441

Education

- **Thapar Institute of Engineering and Technology** 2025
B.E Electronics and Computer CGPA: 7.70
- **DIPS institution of management and technology** 2020
Senior Secondary, CBSE, Punjab Percentage: 94.8

Projects

- **SyncCode Hub** | *React, Node.js, Socket.IO, CodeMirror* [GitHub](#)
 - Developed a real-time code synchronization application using React, Node.js, and Socket.IO.
 - Integrated CodeMirror as the code editor for seamless code editing experience.
 - Handled simultaneous synchronization for up to **100 users**.
- **Blog Portal** | *React, Node.js, Express.js, MongoDB, JWT, node-cron, nodemailer, Twilio* [GitHub](#)
 - Implemented a fully automated newsletter system using **node-cron** and **nodemailer**.
 - Enhanced security with mobile verification through Twilio-based OTP verification.
 - Implemented role-based access control with five distinct roles - Admin, Creator, Verifier, Publisher, and Viewer.
 - Achieved **99.5% OTP delivery** success rate for mobile verification.
 - Maintained an open rate of **40% for automated newsletters**.
- **Passport Authentication App** | *Node.js, Express.js, Passport.js, EJS, MongoDB Atlas* [GitHub](#)
 - Developed a web application for user authentication.
 - Implemented local authentication strategy for secure user login.
 - Utilized **MongoDB Atlas** for cloud-based database hosting.

Skills

- **Languages:** C/C++, Java, JavaScript, HTML/CSS, Python
- **Frameworks:** Node.js, Express.js, Bootstrap, React.js, EJS
- **Tools:** Git/GitHub, MongoDB, Mongoose, REST API
- **Core Subjects:** Data Structures and Algorithms, OOPS, DBMS, OS, CN

Achievements

- Ranked 162 in **IIT Guwahati hackathon** for predicting healthy lifestyles. [Github](#) | [Link](#)
- **IIT Guwahati Summer Analytics 2023.** [Certificate](#)
- Completed **20+ Python projects** taught by Dr. Angela Yu. [Certificate](#)
- Solved **300+** DSA problems on LeetCode, GFG, and Codechef.