

# Piyush Yadav

B.Tech - Computer Science Engineering  
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Github | Portfolio

## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech	Indian Institute of Information Technology, Una	8.51/10	2022-Present
Senior Secondary	CBSE Board	95.4%	2021
Secondary	CBSE Board	94.4%	2019

## EXPERIENCE

- **Frontend Developer (Next.js)** Remote  
*WhatBytes* Nov 2024 – Jan 2025
  - Optimized performance and reduced load time by refactoring the legacy Burnaby Hotel Management website to a modern Next.js framework, and improved SEO score from 70% to 95% based on Lighthouse testing.
  - Developed and deployed a secure user authentication system and dynamic UI for the ReportGen project using Next.js, enhancing user experience and enabling real-time PDF report generation from Excel via RESTful APIs.
  - Leveraged state management, component-based architecture, and API integration to deliver scalable and high-performing frontend solutions.
- **Frontend Developer (React.js)** Una, Himachal Pradesh, India  
*Indian Institute of Information Technology Una* Mar 2024 – Aug 2024
  - Contributed to the redesign and development of the official college website, boosting user engagement and reducing load time through performance optimization.
  - Built reusable, responsive components using HTML5, CSS3, Tailwind CSS, JavaScript, and React.js.
  - Collaborated with backend engineers to implement REST APIs and ensure seamless data flow and integration.
  - Led user testing and feedback sessions, resulting in improved accessibility and UI/UX consistency.

## PROJECTS

- **Top Scorer** Oct. 2024 - Present  
*Team Project* GitHub
  - Developed a full-stack real-time sports management platform for college tournaments with live score updates, participant tracking, and chatting feature.
  - Designed and built efficient RESTful APIs using Express.js and MongoDB to handle match data, team records, and score management.
  - Integrated WebSocket communication via Socket.IO to enable live, low-latency score updates across multiple clients.
  - Created a responsive and intuitive frontend interface in React.js for seamless event visualization and user interaction.
  - Implemented secure JWT-based user authentication and role-based access control to restrict and manage permissions effectively.
  - Tech Stack: Node.js, Express.js, Socket.IO, JWT, MongoDB, React.js.

## TECHNICAL SKILLS

- **Languages:** C/C++, Python, HTML, CSS, TailwindCSS, JavaScript, SQL
- **Technologies:** Node.js, Express.js, Next.js, React.js, MongoDB, Git
- **Tools:** Visual Studio Code, GitHub, Postman, Chrome Developer Tools
- **Operating Systems:** Linux, Microsoft Windows
- **Others:** Data Structures and Algorithms, Object-Oriented Programming, Competitive Programming

## KEY COURSES TAKEN

- **Core Courses:** Data Structures, Algorithms, Operating Systems, Database Management Systems, Computer Network
- **Elective Courses:** Machine Learning

## ACHIEVEMENTS

- Secured Rank - **23** among **100+** participants in Coderush IIITU by AlgoUniversity.
- Qualified for **Round-2** in **Meta Hacker Cup 2024**, with a rank of **1675** out of **22,495** participants.
- Solved **420+** problems on Leetcode & GeeksforGeeks combined.
- Max Rating - **1612(3 star)** on Codechef.
- Max Rating - **1144(Newbie)** on Codeforces, Solved **180+** Questions.
- Secured Rank - **1** among **all** participants in **Robo-Drive-Event** at IIIT Una's Techfest **Meraki**.