PIYUSH YADAV

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Education

Indian Institute of Information Technology, Una　　　　　　　　　　　　　**Nov 2022 – Present**
B.Tech in Computer Science and Engineering　　　　　　　　　　　　　　　*CGPA: 8.51/10*
Key Courses: Data Structures and Algorithms, Operating Systems, Database Management, Computer Networks, Software Engineering

Technical Skills

Languages: C/C++, Python, JavaScript, TypeScript, SQL
Frameworks Libraries: React.js, Next.js, Express.js, Node.js
Databases: MongoDB, MySQL, PostgreSQL
Tools & Platforms: Git, GitHub, Docker, Postman, Vercel
Core Concepts: Object-Oriented Programming, Data Structures Algorithms, RESTful APIs, JWT/OAuth, OS Internals, Networking

Professional Experience

Frontend Developer Intern(Next.js)　　　　　　　　　　　　　　　　**Nov 2024 - Jan 2025**
WhatBytes

- 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.
- Analyzed a secure user authentication system and 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 20+ API integrations to deliver scalable and high-performing frontend solutions.

Projects

Top Scorer
MongoDB, Express.js, React.js, Node.js, Socket.IO, JWT　　　　　　　　　　*GitHub — Live*

- Built a real-time sports management app for college tournaments with live scores update and participant tracking.
- Designed 25+ RESTful APIs using Express.js and MongoDB for match, team, and score operations.
- Implemented real-time chat rooms for different sports using Socket.IO to enhance event communication.
- Created a React.js admin panel for scheduling and controlling scores: Admin Panel.
- Integrated WebSocket communication using Socket.IO to deliver low-latency live score updates across multiple connected clients.
- Adopted a modular, RESTful architecture, reducing code duplication and improving scalability for future events.

Leadership & Volunteering

Core Member, EPMOC Club　　　　　　　　　　　　　　　　　　**Dec 2022 – Nov 2024**
IIIT Una

- Spearheaded planning and execution of 5+ institutional tech/cultural events, managing teams of 10+.
- Trained and mentored over 20 peers in event management, communication, and operational strategy.

Achievements

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