

# Pratik Rout

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## SKILLS

<b>Languages:</b>	Javascript, Java, Typescript, Go
<b>Frontend:</b>	HTML, CSS, React, Tailwind CSS, React Router, Redux Toolkit, Zustand, Tanstack query, Shadcn
<b>Backend:</b>	Node.js, Express.js, Mongoose, JWT, Bcrypt, Socket.io, Convex
<b>Databases:</b>	MongoDB, PostgreSQL
<b>Tools:</b>	Git, Github, Docker, Postman API
<b>Soft Skills:</b>	Problem-Solving, Team Player, Project Management, Adaptability

## PROJECTS

<b>Yap – A chat app</b>   <i>React, React Router, Tailwind CSS, Zustand, Daisy UI, Node.js, Express, Mongoose</i>   <a href="#">GITHUB</a>   <a href="#">LIVE</a>	Jan' 25
<ul style="list-style-type: none"><li>Developed a MERN stack app with DaisyUI offering 32 themes and real-time functionality using Socket.IO.</li><li>Streamlined client-side state with Zustand, reducing bundle size by 18% compared to Redux</li><li>Delivered mobile-first interface using Tailwind CSS, achieving 90+ Lighthouse accessibility score</li><li>Integrated MongoDB and Express for backend operations and scalability.</li></ul>	
<b>Quizzo – A quiz app</b>   <i>Typescript, React, React Router, DSA</i>   <a href="#">GITHUB</a>   <a href="#">LIVE</a>	Apr' 24
<ul style="list-style-type: none"><li>Built an interactive quiz platform using React and TypeScript, emphasizing efficient data handling and dynamic UI components.</li><li>Constant-time question retrieval via Hashmaps (60% performance gain)</li><li>Implemented a Priority Queue to rank users on leaderboardUsed a Binary Search Tree (BST) to generate dynamic difficulty level questions for users</li></ul>	
<b>Sparks – A blog app</b>   <i>React, Context API, React Router, Node.js, Express, Mongoose</i>   <a href="#">GITHUB</a>   <a href="#">LIVE</a>	Apr' 23
<ul style="list-style-type: none"><li>Developed a MERN stack application that seamlessly allows users to create blogs, view other's Blogs, update blogs and delete blogs using mongoDB and mongoose ODM.</li><li>Fortified authentication with bcryptjs for password encryption and JWT for session validation</li><li>Orchestrated application state via Context API while implementing seamless navigation with React Router</li></ul>	

## TRAINING

<b>Competitive Programming (Lovely Professional University)</b>	Jan' 25 – Feb' 25
<ul style="list-style-type: none"><li>Mastered advance data structures (Heaps, Trees, Graphs)</li><li>Learned algorithmic paradigms (Divide &amp; Conquer, Greedy methods, Dynamic programming)</li><li>Solved more than 150 questions on Leetcode amd Geeks for Geeks combined.</li></ul>	
<b>Data Structures and Algorithms (Linux Socials)</b>	Jun' 24 – Jul' 24
<ul style="list-style-type: none"><li>Gained comprehensive understanding of core data structures ( Arrays, Strings, Queues, Stacks, LinkedList).</li><li>Solved more than 200 problems on Leetcode amd Geeks for Geeks combined.</li><li>Completed a mini project implementing DSA concepts (Heaps, Hashmaps)</li></ul>	

## CERTIFICATES

Cloud Computing   <a href="#">NPTEL</a>	Oct' 24
Python, Problem Solving, Javascript, React   <a href="#">Hackerrank</a>	Sep' 24
Introduction to MongoDB for students   <a href="#">MongoDB</a>	Jul' 24
Core Java   <a href="#">Cipher Schools</a>	May' 24
PostgreSQL   <a href="#">Udemy</a>	Apr' 24
Java and Data Structures and Algorithms   <a href="#">Alpha 2.0</a>	Dec' 23

## ACHIEVEMENTS

Leetcode   680+ Problems Solved and 6 consistency badges	Apr' 25
HackerRank   4 stars Java, 3 stars Python and 3 stars C	Sep' 24
Qualified SIH (Smart India Hackathon) at university level	Oct' 24

## EDUCATION

<b>Lovely Professional University</b>	Phagwara, Punjab
Bachelor of Technology	Oct' 22 – Present
Computer Science and Engineering; CGPA: 8.07	
<b>ODM Public School</b>	Bhubaneswar, Odisha
Intermediate PCM	Apr' 20 – Jul' 22
Percentage: 95%	
<b>D.A.V Public School</b>	Jharsuguda, Odisha
Matriculation	May' 19 – Mar' 20
Percentage: 93.2%	