

# PRATIK ROUT

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[Linkedin](#) | [Github](#) | [Leetcode](#) | [Hackerrank](#)

## Skills

- **Programming Languages** - Javascript | Java | Typescript | Go | Python
- **Frontend** - HTML | CSS | Tailwind CSS | React | Redux Toolkit | React Router | TanStack Query | Styled-components | React Hook Form | Axios | Daisy UI
- **Backend** - Node.js | Express.js | Mongoose | JWT | Bcrypt | Supabase | Socket.io
- **Databases** - MongoDB | PostgreSQL
- **Tools** - Git | Github | Postman API | pgAdmin 4
- **Relevant courses** - Data Structures And Algorithms | DBMS | Operating Systems | OOPS
- **Soft Skills** - Problem Solving | Adaptability | Project Management

## Projects

- **Yap - A Chat App** [Live](#) [View in Github](#) Jan 2025
  - Developed a MERN stack app with DaisyUI offering 32 themes and real-time functionality using Socket.IO.
  - Used Zustand for efficient and lightweight state management.
  - Styled with Tailwind CSS for responsive and modern design.
  - Integrated MongoDB and Express for backend operations and scalability.
  - **Tech used** - React, Zustand, Daisy UI, Tailwind CSS, React Router, Node.js, Express, Mongoose
- **Sparks - A Blog App** [Live](#) [View in Github](#) Apr 2023
  - 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.
  - Implemented password hashing on registration with Bcrypt library and implemented session management and authorization with JWT
  - Implemented routing with React Router and state management with Context API
  - **Tech used** - Javascript, React, Context API, React Router, Node.js, Express, Mongoose
- **Quizzo - A Quiz App** [Live](#) [View in Github](#) Sep 2024
  - Built an interactive quiz platform using React and TypeScript, emphasizing efficient data handling and dynamic UI components.
  - Leveraged a HashMap for quick lookup of quiz questions and answers, ensuring optimal performance during user interactions.
  - Implemented a Priority Queue to rank users on leaderboard
  - Used a Binary Search Tree (BST) to generate dynamic difficulty level questions for users
  - **Tech used** - Typescript, React, React Router, DSA (HashMap, PriorityQueue, BST)

## Achievements

- **Leetcode** - 600+ questions and 5 consistency badges [Leetcode](#)
- **Hackerrank** - 4 stars Java, 3 stars Python and 3 stars C
- Qualified SIH (Smart India Hackathon) at university level

## Certificates

- **Hackerrank** - Certifications in Python, Problem Solving, Javascript, React Jan 2023 - Sep 2024
- **Udemy Certifications** - PostgreSQL, Beginners guide HTML and CSS Dec 2023 - Apr 2024
- **Alpha 2.0** - Java and Data Structures and Algorithms Dec 2023
- **Cipher Schools** - Core Java May 2024
- **MongoDB** - Introduction to MongoDB for students Jul 2024
- **NPTEL** - Cloud Computing Oct 2024

## Education

- **Bachelor of Technology (Computer Science and Engineering)** 2022 - 2026  
Lovely Professional University
- **Standard XII (CBSE) Percentage - 95%** 2020 - 2022  
ODM Public School, Bhubaneswar, Odisha, India
- **Standard X (CBSE) Percentage - 93.2%** 2020  
D.A.V. Public School, Jharsuguda, Odisha, India