

Piyush Bhul

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Profile

Full Stack Web Developer with expertise in the MERN Stack (MongoDB, Express.js, React.js, Node.js) and a passion for creating scalable, secure, and user-centric web applications. Proven track record of delivering production-grade solutions, optimizing performance, and leading collaborative development efforts. Strong foundation in UI/UX design, API integration, and modern deployment practices, with growing expertise in AI integration and cybersecurity.

Experience

WEB DEVELOPER | E-PARBHIDI | NOVEMBER 2024 – PRESENT

Promoted to full-time position following successful 3-month internship

- **Led development** of 5+ production-grade web modules using React.js, Node.js, and MongoDB, serving active user base
- **Architected and maintained** dynamic web applications with seamless integration of React.js frontend, Node.js backend, and MongoDB/MySQL databases
- **Designed responsive UI/UX interfaces** ensuring optimal user experience across all devices and browsers
- **Optimized application performance** by 50% through strategic code refactoring, database query optimization, and implementation of best practices
- **Integrated third-party APIs** to enhance application functionality and user engagement
- **Collaborated cross-functionally** with backend teams to deliver scalable solutions and resolve critical production issues

Projects

💬 Real-Time Chat App

MERN Stack | Socket.IO | JWT Authentication

- Developed comprehensive chat platform with real-time messaging, typing indicators, and animated UI components
- Implemented secure authentication system and support for both private and group conversations
- Optimized data rendering for seamless user experience with large message volumes

🛒 E-Commerce Web App

React.js | Node.js | MongoDB | Secure Payment Integration

- Built full-featured e-commerce platform with product catalog, shopping cart, and secure checkout process
- Developed comprehensive admin dashboard for inventory management and order tracking
- Implemented robust user authentication and responsive design for mobile-first experience

AI Image Generator

React.js | TailwindCSS | AI API Integration

- Created intelligent image generation tool using advanced AI APIs for text-to-image conversion
- Designed intuitive user interface with prompt input, loading states, and organized image gallery
- Implemented efficient state management for optimal user experience

Full-Stack Portfolio Website

React.js | Express.js | MySQL | Prisma | Railway

- Developed personal portfolio showcasing technical projects, blog content, and interactive animations
- Implemented responsive design principles and deployed using modern cloud platforms
- Integrated content management system for easy updates and maintenance

AI Code Converter

OpenAI API | Next.js | Developer Tools

- Built intelligent code translation tool supporting multiple programming languages (Python, JavaScript, etc.)
- Integrated OpenAI API for accurate code conversion with syntax highlighting and error handling
- Created developer-friendly interface with clean design and efficient workflow

Note Sharing Platform

MySQL | Express.js | React.js | File Management

- Developed comprehensive academic resource sharing platform with semester-wise organization
- Implemented advanced search functionality, secure file upload, and user access management
- Created responsive interface optimized for student workflow and collaboration

Skills & Abilities

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| <ul style="list-style-type: none">• Programming Languages: HTML5, CSS3, JavaScript (ES6+), SQL, Python• Frontend Technologies: React.js, Next.js, TailwindCSS, Shadcn UI, Responsive Design, UI/UX Design• Backend Technologies: Node.js, Express.js, RESTful APIs, WebSocket (Socket.IO)• Databases: MongoDB, MySQL, PostgreSQL, Prisma, Mongoose• Tools & Platforms: Git, GitHub, Postman, VS Code, Render, Vercel, Railway• Specialized Concepts:<ul style="list-style-type: none">• AI/ML Integration (OpenAI API)• REST API Design & Implementation• JWT & OAuth Authentication• Real-time Communication (WebSockets)• Cloud Deployment & DevOps• Role-based Access Control (RBAC)• Soft Skills: Team Leadership, Cross-functional Collaboration, Problem-Solving, Rapid Learning, Agile Development, Time Management | |
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Education

BACHELOR OF COMPUTER APPLICATION

Rajarsh Janak University | Janakpur, Nepal
Expected Graduation: December 2028

- **Full Scholarship Recipient** (Awarded by E-Parbhidi)
- Currently pursuing comprehensive computer science curriculum with focus on software development

Certifications & Leadership

- **Professional Certifications**
 - Web Development Training | IT Training Nepal | November 2024 – March 2025
 - Web Development Internship | E-Parbhidi | Successfully completed with promotion to full-time role
- **Team Leader | Hult Prize Competition**
 - Led "Team Ekta" in developing sustainable mobility solutions under theme "Eco Ride, Easy Life"
 - Managed comprehensive project planning, market research, and investor pitch development
 - Demonstrated leadership in cross-functional team coordination and strategic planning