Pratik Chaudhary

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 GitHub | 🔗 LinkedIn

Professional Summary

Dedicated Computer Science student with proven full-stack development expertise and hands-on experience building production-grade applications. Proficient in MERN Stack, Python, Java, and data science technologies with demonstrated ability to deliver scalable solutions for real-world clients. Strong foundation in software engineering principles, machine learning, and data-driven decision-making. Combines technical proficiency with digital marketing experience and collaborative mindset to create impactful, user-centered solutions. Committed to writing clean, maintainable code and solving complex problems in dynamic, innovation-driven environments.

Technical Skills

Languages: JavaScript, Python, Java, R, SQL, PHP, HTML5, CSS3
Frontend Development: React.js, JSX, Responsive Web Design, Modern CSS, UI/UX Design Principles
Backend Development: Node.js, Express.js, RESTful APIs, JWT Authentication, API Design & Integration
Databases: MongoDB, MySQL, Database Design, Query Optimization, Data Modeling, Indexing
Data Science & ML: Pandas, NumPy, Matplotlib, Seaborn, Scikit-Learn, Random Forest, Predictive Analytics
DevOps & Tools: Git/GitHub, Postman, VS Code, IntelliJ IDEA, Jupyter Notebook, VMware, Excel
Cloud & Deployment: Netlify, Vercel, Render, Railway, Environment Configuration
Networking: Cisco Packet Tracer, Network Configuration, Security Protocols, TCP/IP, Troubleshooting
Methodologies: Agile/Scrum, Design Thinking, Test-Driven Development, Version Control, Code Review

Professional Experience

MERN Stack Developer Intern   Nov 2025 – Jan 2026
Bheema Infotech Pvt. Ltd. (Remote)   *Indore, Madhya Pradesh, India*

- Developing production-ready full-stack web applications using MongoDB, Express.js, React.js, and Node.js
- Architecting and implementing RESTful APIs with JWT authentication, role-based access control, and data validation
- Optimizing database queries and schemas in MongoDB, improving application performance by 40%
- Building responsive, accessible user interfaces with React.js following modern design patterns and best practices
- Collaborating with cross-functional teams using Git version control, code reviews, and Agile methodologies
- Integrating third-party services including payment gateways, OAuth systems, and notification services

Social Media Manager   March 2025 – May 2025
Nagmani International Pvt. Ltd.   *Kathmandu, Nepal*

- Managed multi-platform social media presence, increasing engagement rates by 35% through data-driven strategies
- Created and edited multimedia content using Canva and CapCut, producing 50+ promotional videos and graphics
- Analyzed social media metrics and user engagement data using analytics tools to optimize content performance
- Collaborated with marketing and sales teams to align digital campaigns with business objectives and brand voice

Technical Projects

Skating Park Management System | *MERN Stack, Payment Integration, Real-time Management*   Link

- Engineered production-grade skating park management platform actively used by real client for daily operations
- Implemented automated session booking system with real-time slot management, player tracking, and conflict resolution
- Designed comprehensive admin dashboard managing 500+ bookings monthly, customer data, and financial transactions
- Built secure payment processing system with transaction logging and automated data backup mechanisms
- Technologies: MongoDB, Express.js, React.js, Node.js, JWT, Stripe API, responsive design

Prabin Institute Online Learning Platform | *MERN Stack, Video Streaming, Payment Gateway*   Link

- Built comprehensive e-learning platform for NEB exam preparation with video course delivery and progress tracking
- Integrated secure payment processing with automated WhatsApp notifications and admin approval workflows
- Developed scalable video streaming system enabling students to access 100+ hours of expert-designed lessons
- Implemented user authentication, enrollment management, and responsive UI for seamless learning experience
- Technologies: MERN Stack, payment gateway integration, video streaming, notification system

Mini Amazon E-Commerce Platform | *MERN Stack, Full-Stack Development*   Link

- Developed complete e-commerce application with user authentication, product catalog, cart, and order management
- Created admin dashboard for inventory management, user administration, order tracking, and sales analytics
- Implemented secure JWT-based authentication with role-based access control and password encryption
- Built RESTful APIs for product CRUD operations, user management, and transaction processing

URJA Smart Energy Monitoring Platform | *Node.js, MongoDB, Machine Learning, Analytics*   Link
- Designed intelligent energy monitoring system providing real-time consumption insights and usage optimization
- Implemented machine learning models for AI-driven energy consumption forecasting and cost prediction
- Built interactive analytics dashboard with Chart.js visualizing energy patterns and sustainability metrics
- Integrated gamification features encouraging sustainable practices, targeting 20% energy cost reduction

GharNirman AI Contractor Evaluation System | *Node.js, MongoDB, Machine Learning*   Link
- Developed AI-powered bid evaluation platform using Random Forest algorithm for contractor proposal analysis
- Automated cost estimation calculations helping project owners make data-driven contractor selection decisions
- Designed MongoDB schema for efficient storage and retrieval of bids, contractor profiles, and evaluation metrics
- Achieved 85% accuracy in cost predictions through feature engineering and model optimization

Bhabhya Event Management Platform | *PHP, MySQL, Google OAuth, Real-time Features*   Link
- Created full-featured event booking platform with real-time availability checking and automated email notifications
- Implemented Google OAuth 2.0 integration for secure user authentication and session management
- Built comprehensive admin panel with analytics dashboard tracking bookings, revenue, and engagement metrics

Motosafa Waste Management Application | *Real-time Tracking, SMS Integration*   Link
- Developed waste collection app with GPS-based real-time tracking and automated SMS alert system
- Implemented multilingual support (English/Nepali) for improved accessibility and user adoption
- Created promotional video showcasing app features, driving user engagement and increasing downloads by 45%

Student Management System | *Java, MySQL, JDBC*   Link
- Built robust Java-based system with MySQL integration for managing student records, enrollment, and attendance
- Designed normalized database schema with foreign key constraints ensuring data integrity and consistency
- Implemented CRUD operations using JDBC with prepared statements preventing SQL injection vulnerabilities

EDUCATION

IIMS College (Affiliated with Taylor's University, Malaysia)   Dhobidhara, Kathmandu
Bachelor of Computer Science (Hons) – Currently Pursuing   *2023 – Present*
- Relevant Coursework: Data Structures & Algorithms, Machine Learning, Database Systems, Software Engineering
- Additional: Network Security, Web Technologies, Object-Oriented Programming, Operating Systems

Om National College   Birgunj, Nepal
Higher Secondary Certificate (NEB) – Science Stream (Computer Science)   *2020 – 2022*

Trijuddha Mahabir Prasad Raghubir Ram Secondary School   Birgunj, Nepal
Secondary School Certificate   *2016 – 2020*

CERTIFICATIONS & PROFESSIONAL TRAINING

MERN Stack Development – Comprehensive Full-Stack Training 📄   March 2025
Broadway Infosys   *Kathmandu, Nepal*

MERN Stack Internship 📄   Nov 2025
Bheema Infotech   *Indore, India*

Design Thinking Certification 📄   March 2025
Industry Certification

ORACLE Dev: Database Developers 📄   July 2023
Oracle Academy

Network Technician Career Path (4-Course Specialization)   June 2023
Cisco Networking Academy
- Networking Devices and Initial Configuration 📄
- Network Support and Security 📄
- Network Addressing and Basic Troubleshooting 📄
- Network Technician Career Path Completion 📄

ADDITIONAL COMPETENCIES

Digital Marketing: Social Media Strategy, Content Creation, Video Editing (CapCut), Graphic Design (Canva)
Soft Skills: Team Collaboration, Technical Communication, Adaptability, Problem-Solving, Project Management
Languages: English (Fluent), Nepali (Native), Hindi (Intermediate), Bhojpuri (Basic)