

# BISHAL BHANDARI

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## Full Stack Developer | MERN Stack Specialist

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## PROFESSIONAL SUMMARY

Results-driven Full Stack Developer with comprehensive expertise in the MERN stack and a proven track record of delivering scalable web applications. Demonstrated ability to architect and implement full-stack solutions from concept to deployment, with hands-on experience in real-time communication platforms, AI integration, and RESTful API development. Actively seeking a challenging Full Stack Developer Internship to contribute to innovative projects while expanding technical capabilities under experienced mentorship.

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## EDUCATION

### Bachelor of Science in Computer Science and Information Technology (BSc CSIT)

Patan Multiple Campus, Nepal

Currently in 2nd Semester | Expected Graduation: 2028

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## TECHNICAL EXPERTISE

**Frontend Development:** HTML5, CSS3, JavaScript (ES6+), React.js, Tailwind CSS, Responsive Design

**Backend Development:** Node.js, Express.js, RESTful APIs, Server-side Architecture

**Database Management:** MongoDB, MySQL, Database Design, CRUD Operations

**Development Tools & Technologies:** Git/GitHub, Postman, WebRTC, Socket.io, Cloudinary, UploadThing, Zustand, API Integration, Generative AI

**Professional Skills:** Problem-solving, Team Collaboration, Agile Development, Quick Learning, Effective Communication

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## PROFESSIONAL EXPERIENCE

### Full Stack Developer

Ambition College Hackathon

- Architected and developed a comprehensive video communication evaluation system, implementing React-based frontend components for video interface and user interaction
  - Engineered robust backend APIs utilizing UploadThing for efficient video upload management and seamless integration with Gemini AI for automated communication skills assessment
  - Designed and implemented server-side logic for video processing pipeline and intelligent report generation based on AI analysis
  - Established seamless frontend-backend communication protocols ensuring data integrity and real-time feedback
  - Demonstrated strong collaborative skills by coordinating with cross-functional team members to deliver production-ready features within strict hackathon timeframes
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## FEATURED PROJECTS

### Confera | Real-Time Video Conferencing Platform

*Tech Stack: MongoDB, Express.js, React.js, Node.js, WebRTC, Socket.io*

Developed a full-featured video conferencing solution with real-time audio/video communication, integrated text chat functionality, and screen-sharing capabilities. Implemented WebRTC for peer-to-peer connections and Socket.io for real-time event handling, demonstrating expertise in modern web communication protocols.

### FreelanceHub | Freelancer-Client Marketplace

*Tech Stack: MongoDB, Express.js, React.js, Node.js, Tailwind CSS*

Built a comprehensive full-stack platform facilitating connections between freelancers and clients. Implemented advanced features including project management workflows, competitive bidding systems, user authentication, and profile management, showcasing end-to-end application development capabilities.

### Samva | AI-Powered Conversational Platform

*Tech Stack: MongoDB, Express.js, React.js, Node.js, Generative AI API, Tailwind CSS*

Created an intelligent chat platform leveraging Generative AI for context-aware text responses. Architected with scalability in mind for future expansion to support voice interactions, image processing, and document sharing capabilities, demonstrating forward-thinking application design.

### **Awasly | Property Management System**

*Tech Stack: Node.js, Express.js, MongoDB, HTML5, CSS3, Bootstrap, JavaScript, EJS*

Developed a feature-rich property listing platform with complete CRUD functionality, secure user authentication, and review management system. Implemented server-side rendering with EJS templates and responsive UI design, showcasing versatility in full-stack development approaches.

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## **KEY STRENGTHS**

- Proven expertise in building scalable MERN stack applications with production-ready code quality
  - Strong problem-solving abilities with experience in debugging complex full-stack issues
  - Proficient in third-party API integration and cloud storage solutions (Cloudinary, UploadThing)
  - Excellent team collaboration skills demonstrated through hackathon and project experiences
  - Quick learner with ability to rapidly adopt new technologies and frameworks
  - Ready for paid internship opportunities with strong commitment to professional growth
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## **ADDITIONAL INFORMATION**

- Open to full-time internship opportunities and collaborative development environments
- Available for immediate start
- Passionate about learning emerging technologies and best practices in software development