

Ishan KC

+977-9860039457 | ishankc777@gmail.com | LinkedIn | GitHub | Banepa, Nepal

EDUCATION

Kathmandu University

Bachelor of Science in Computer Science (3rd Year)

Banepa, Nepal

Nov 2023 – Nov 2027

TECHNICAL SKILLS

Full-Stack Development: MERN Stack (MongoDB, Express.js, React.js, Node.js), REST APIs, Firebase

Backend Technologies: Python (FastAPI, Django, Flask), PHP, MySQL, WebSocket, Payment Gateway Integration

Frontend Frameworks: React Native, Next.js, Vue.js, TypeScript, Tailwind CSS, HTML, CSS, JavaScript

Cloud & Deployment: AWS (EC2, S3, RDS), Firebase Hosting, Git, GitHub Actions

Development Tools: Git, RESTful API Design, Database Design & Optimization, Cross-Platform Development

EXPERIENCE

Full-Stack Developer – PPG Auth (Biometric Authentication System)

Dec 2025

KU HackFest 2025, Kathmandu University

- Engineered secure biometric authentication system with FastAPI backend and optimized RESTful API endpoints reducing authentication time by 40%
- Implemented real-time user verification using WebSocket communication between Python backend and React Native mobile application
- Designed scalable API architecture supporting 50+ concurrent users with ML integration for biometric data processing
- Built cross-platform mobile application using React Native and TypeScript for seamless iOS and Android experience
- Learned to work efficiently in a team to meet tight 48-hour hackathon submission deadlines

PROJECTS

Intervia – AI Interview Platform | MERN Stack, Next.js, TypeScript, Firebase, REST APIs

Aug 2025

- Developed AI-powered interview platform with Next.js integrating Google Gemini API and Vapi.ai RESTful APIs for voice interaction features
- Built comprehensive analytics dashboard using React.js and Tailwind CSS tracking 15+ performance metrics across user sessions
- Engineered secure user authentication and real-time data storage using Firebase with role-based access control
- Implemented advanced prompt engineering delivering personalized feedback with 95% accuracy

Classroom Resource Tracker | Node.js, Express.js, MySQL, JavaScript, HTML, CSS, REST APIs

Jul 2025

- Built full-stack resource management system processing 200+ weekly bookings with MySQL relational database and real-time conflict prevention
- Developed RESTful API with Node.js and Express.js handling CRUD operations with role-based access control for 3 user tiers
- Created responsive booking interface with instant availability updates and optimized database queries through efficient indexing
- Designed normalized table schema and implemented efficient SQL queries reducing response time by 35%

CERTIFICATIONS & ACTIVITIES

AWS Solutions Architecture Job Simulation

Amazon Web Services

Deloitte Australia Cyber Job Simulation

Deloitte