

# 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  
Deloitte Australia Cyber Job Simulation

Amazon Web Services  
Deloitte