

# RAHUL KARN

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## PROFESSIONAL SUMMARY

Lead .NET Core Full Stack Developer with 8+ years of experience delivering enterprise digital transformation in insurance and financial services. Proven track record of designing and implementing mission-critical platforms with emphasis on scalability, reliability, and measurable business impact. Successfully led development of asset management platforms, premium calculation engines, and core insurance APIs serving 50,000+ users. Led cross-functional teams in agile environments to deliver complex technical solutions on schedule. Currently expanding expertise in AI and data science to integrate predictive analytics with .NET and cloud-native architectures.

## TECHNICAL SKILLS

**Languages & Frameworks:** ASP.NET Core, C#, .NET MVC, Python, Entity Framework, Razor, Laravel

**Databases:** Oracle, SQL Server, T-SQL

**Technologies:** REST APIs, Git, jQuery, Bootstrap, HTML5, CSS3, Chart.js

**Specializations:** Digital Transformation, Insurance Core Systems, API-First Architecture, Agile/Scrum

## PROFESSIONAL EXPERIENCE

**Officer** **Nepal Life Insurance Co. Ltd.** | Kathmandu, Nepal | *January 2023 – Present*

- Led digital transformation initiatives to modernize legacy insurance systems and establish technology roadmaps aligned with business objectives
- Delivered comprehensive insurance core system modules including underwriting, product setup, and policy lifecycle management platform
- Architected secure user portal and REST APIs supporting 50,000+ users across web and mobile channels with real-time data synchronization
- Integrated payment gateway solutions enabling seamless digital transactions and improved customer experience
- Drove database optimization initiatives reducing query execution time by 50% and implemented strategic dashboards for data-driven decision-making
- Researched and evaluated AI tools for insurance analytics automation and predictive modeling capabilities

**Junior Officer** **Nepal Life Insurance Co. Ltd.** | Kathmandu, Nepal | *November 2018 – December 2022*

- Built enterprise web and database applications for asset management, policy administration, and premium calculation using .NET Core, MVC, Oracle, and SQL Server
- Led development of premium calculator utilities integrated with actuarial logic, streamlining quotation processes for sales teams
- Developed and launched secure online proposal application system for agent and customer onboarding, featuring real-time eligibility checks and payment gateway integration
- Assisted in initial setup and process optimization of insurance core system, supporting policy management, underwriting workflows, and REST API integrations

**Software Engineer** **Innovative Ghar Nepal** | Kathmandu, Nepal | *October 2017 – November 2018*

- Developed and maintained ASP.NET MVC web applications using C#, Razor views, and Repository pattern for real estate management platform
- Designed responsive interfaces with HTML5, CSS3, Bootstrap, and jQuery ensuring cross-browser compatibility and optimal user experience
- Performed comprehensive unit testing, debugging, and code reviews to maintain high coding standards and application performance

## EDUCATION

**Master of Science in Data Science and Computational Intelligence** *March 2025 – February 2027*  
Coventry University

**Master of Business Administration (MBA) – Accounting and Finance** *July 2024 – July 2026*  
Indira Gandhi National Open University

**Bachelor of Engineering (BE) – Computer Science** *October 2013 – December 2017*  
Advanced College of Engineering and Management

## PUBLICATIONS

“Attendance and Security Assurance using Image Processing,” *IEEE Xplore*, 2018 (ICCMC 2018)  
<https://ieeexplore.ieee.org/document/8487788>