

Rishi Neupane

Recent Student

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PROFILE

BSc (Hons) Computing graduate and Backend & Full-Stack Developer with hands-on experience building scalable web applications, RESTful APIs and database-driven systems. Proficient in C#, ASP.NET, Node.js, React, SQL Server and MongoDB, with practical experience in API development, authentication, database optimisation and third-party payment integrations. Experienced in delivering production and academic projects, including full-stack rental platforms and enterprise-style food ordering systems. AWS Academy certified in Cloud Foundations, Data Engineering, Machine Learning and NLP. Seeking a backend or full-stack development role where I can apply my technical skills, solve complex problems and contribute to reliable, scalable software solutions.

TECHNICAL SKILLS

Languages	C#, Java, Python, JavaScript, TypeScript, PHP, SQL / T-SQL, HTML, CSS
Backend	ASP.NET Web Forms, Node.js, Express, Java Servlets & JSP, REST API design, JWT authentication, stored procedures
Frontend	React, Angular, Ant Design, responsive layout, Three.js, Recharts
Databases	SQL Server, MySQL, PostgreSQL, Oracle, MongoDB / Mongoose, schema design, query optimisation
Cloud & Tools	AWS, Git & GitHub, Visual Studio, Android Studio, Stripe, Khalti, Cloudinary, Postman
Data & ML	Pandas, NumPy, Matplotlib, PyTorch, NLP, LLMs & Transformers, ETL pipelines, data visualisation
Professional	Communication, teamwork, analytical thinking, problem solving

EXPERIENCE

Backend Developer

Apr 2026 – Present

NoaiGPT

Harisiddhi, Lalitpur

- Develop and maintain backend REST APIs powering the company's production web application.
- Optimise database operations and query performance to keep response times stable as data grows.
- Contribute to architecture and delivery of scalable services, following established software development best practices.

Full-Stack Developer (Internship)

Jul 2024 – Sep 2024

Code Tech Partners Pvt. Ltd

Vanasthali, Kathmandu

- Built full-stack features across a mobile frontend in Android Studio and a Node.js backend.
- Implemented RESTful API endpoints and integrated them with MongoDB for persistent storage.
- Contributed to live client projects, covering UI/UX refinement, server-side logic and secure data handling.

SELECTED PROJECTS

CarWithMe — Car Rental Platform

Personal

- MERN-stack rental marketplace for Nepal: one React application serving both the customer site and a role-gated admin dashboard, backed by an Express + MongoDB REST API.
- Built authentication with email/password, Google sign-in, JWT sessions and two-factor auth; owner vehicle listings gated behind a KYC review workflow.
- Implemented booking logic covering dynamic weekend pricing, promo codes, fee breakdowns and cancellation refunds, plus a Stripe-backed wallet.
- Designed 15 data models and 25 API route modules, with an admin area for users, vehicles, payments and analytics.

Stack: React, Node.js, Express, MongoDB, Mongoose, JWT, Stripe, Ant Design, Leaflet, Cloudinary

Cloud Kitchen — Food Ordering System

Final Year Project

- End-to-end online food ordering platform in ASP.NET Web Forms and C# on SQL Server, with separate customer and administrator portals.
- Integrated Khalti payments and Google authentication; generated downloadable PDF invoices with iTextSharp.
- Modelled 7 relational tables and wrote 10 stored procedures; admin portal manages products, categories, users, delivery locations, order status and sales reports.

Stack: C#, ASP.NET Web Forms, SQL Server, T-SQL, Khalti API, Google Auth, iTextSharp

DataHarvester — E-Commerce Platform

Personal

- Full-stack storefront and admin system in TypeScript — React client, Express server, Drizzle ORM on PostgreSQL.
- Admin and customer roles, complete order lifecycle, eSewa / Khalti / Stripe payment options, coupons and discounts, and a customer achievements system.

Stack: TypeScript, React, Express, Drizzle ORM, PostgreSQL

Adversarial ML Defense Systems

Research

- Implemented FGSM and PGD adversarial attacks against a CIFAR-10 convolutional neural network, then evaluated three defences: adversarial training, Defense-GAN purification and attack detection.
- Measured how far standard model accuracy collapses under attack and how much robustness adversarial training recovers.

Stack: Python, PyTorch, Jupyter | github.com/rishineupane0/Adversarial_ML_Defense_Systems

CameraHUB, DataPlus & Library Management System

Academic

- CameraHUB** — dynamic web application in Java Servlets and JSP with SQL-backed browsing and order management.
- DataPlus** — machine-learning project covering preprocessing, model training and prediction on a CSV dataset, with visualisations to communicate findings.
- Library Management System** — checkouts, returns, inventory tracking, user authentication, search and reporting.

Stack: Java, JSP/Servlets, SQL, Python, Pandas, Matplotlib

EDUCATION

BSc (Hons) Computing

Feb 2023 – Dec 2025

Islington College — London Metropolitan University

Kathmandu

School Leaving Certificate

Jun 2022

Gorkha International Public Secondary Boarding School

Ghorahi, Dang

Secondary Education Examination (SEE)

Mar 2019

Rapti Secondary Boarding School

Ghorahi, Dang

National Examinations Board

CERTIFICATIONS

AWS Academy Data Engineering

AWS Academy Graduate · 2022 — data architecture, ETL processes and scalable cloud data pipelines.

AWS Academy Machine Learning Foundations

AWS Academy Graduate · 2022 — ML concepts and algorithms; building, training and deploying models on AWS.

AWS Academy Cloud Foundations

AWS Academy Graduate · 2022 — cloud computing principles, core AWS services and deployment best practice.

AWS Academy ML for Natural Language Processing

AWS Academy Graduate · 2022 — applying machine learning to text; building and deploying NLP models.

LANGUAGES

Nepali (native) · English (professional working proficiency) · Hindi (conversational)

REFERENCES

Shishir Gautam

Project Manager, Code Tech Partners Pvt. Ltd

Sunab Ranjitkar

CEO, NoaiGPT

Unique Gurung

Frontend Developer, Code Tech Partners Pvt. Ltd

Full contact details for all referees available on request.