

# Prajeet Shrestha

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Software engineer with five years of experience building full-stack applications, backend services, and automation. Recently, I worked on AI agents that shorten a manual insurance-quoting workflow for US carriers and I also built a system that generates code, runs tests, and routes failures back for correction. I'm pursuing an MASc in Software Engineering at Memorial University.

## PROFESSIONAL EXPERIENCE

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### Software Engineer | [Venture23](#), Wyoming, US

*October 2022 – July 2026, Remote from Nepal*

- Designed, built, and tested internal tools for development workflows, data analysis, and application performance evaluation.
- Led the engineering development of Vendetta, a fully on-chain multiplayer game on Sui, owning system architecture, Move contract development and procedural map generation research across Sui Move, TypeScript, React and Node.js.
- Contributed to securing \$100K in grant funding by implementing Mysten Labs' SEAL cryptographic access-control layer and delivering the technical foundations an external engineering-grant evaluation required.
- Built full stack distributed applications with cross-network state consistency across three blockchain networks (ICON, Base/EVM, Sui) using Ethers.js, Web3.js, ICON SDK, Move, Solidity and Nodejs.

### Frontend Developer | [iBriz.ai](#), California, US

*October 2021 – September 2022, Remote from Nepal*

- Developed Web3 client applications with secure authentication and wallet integrations across MetaMask, ICONex and Ledger, enabling interaction with both ICON and EVM-compatible networks.
- Built responsive, accessible React components with vite and vitest for decentralised applications, with stable service-layer communication over Web3.js, Ethers.js, ICON SDK and JSON-RPC.
- Designed an event-driven simulation engine for the Gangwars RPG in Node.js and TypeScript, with deterministic state evaluation and concurrent execution of gameplay logic.

### Full Stack Developer | [Akriveia Healthtech](#)

*May 2021 - July 2021, Remote - Nepal*

- Developed serverless backend architecture on AWS Lambda and Node.js, including authentication, data processing and internal services with event-driven auto-scaling.
- Built a search service on AWS CloudSearch for structured information retrieval at scale, powering a health-resource discovery platform.
- Contributed to the early development phase of the company's core product, participating in architectural discussions, feature planning and technical feasibility assessment.
- Implemented front-end workflows in Angular against accessibility guidelines.

## SKILLS

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- **Programming Languages:** TypeScript, JavaScript, Rust, Move, Solidity, Python, Java
- **AI & Agent Systems:** LLM orchestration (LangGraph, Anthropic SDK), Model Context Protocol (MCP), AI browser agents (Browser Use), multi-agent architectures, structured output, self-correcting build loops, human-in-the-loop design, model cost/quality tiering
- **Frameworks & Libraries:** React.js, Next.js, Node.js, FastAPI, Phaser 3
- **Data and Cloud:** PostgreSQL, MongoDB, Python(Pandas, NumPy, Matplotlib), AWS (Lambda, CloudSearch, EC2, Lightsail, SQS), Firebase, REST, JSON-RPC, SSE, Coolify, Contabo VPS
- **Web3 Technologies:** Web3.js, Ethers.js, ICON SDK, Wallet Integrations, Sui Move
- **Engineering:** Distributed Systems, System Design, Concurrent Programming, Algorithms & Data Structures, Object-Oriented Programming, Software Testing & Debugging

## EDUCATION

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**MASc, Software Engineering**

Memorial University of Newfoundland, St. John's, NL, Canada | 2026 - Present

**Bachelor of Science in Computer Science**

Kathmandu University, Dhulikhel, Nepal | 2017 - 2022 | CGPA: 3.26 / 4.00

## PROJECTS

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**QuoteSweep | AI-assisted insurance quoting** 2026

[Website](#)

Built the multi-tenant foundation for a platform where AI browser agents collect commercial insurance quotes from 70+ carriers, reducing a roughly 60-minute manual process to minutes. Developed underwriting agents using the Anthropic SDK, structured outputs, and agency-specific business context.

**Makara | AI game-building workflow** 2026

[Website](#)

Built a LangGraph workflow that routes work to specialist agents and runs generated Sui Move code through tests and build checks. Errors feed back into a correction loop, with human approval before code generation.

**Vendetta | Multiplayer game on Sui** 2025

[Website](#)

Led engineering for a fully on-chain multiplayer game, designing its architecture and developing smart contracts in Sui Move. Explored procedural map generation in Sui Move and worked across the TypeScript and Node.js components.

## LEADERSHIP

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**Local Committee Vice President Social Sec | AIESEC Nepal**

February 2019 - February 2020, Dhulikhel - Nepal

- Coordinated committee operations for social impact initiatives, developing experience in team leadership, project planning, crisis management, and organizational communication.
- Led the execution of six community-oriented projects aligned with the United Nations Sustainable Development Goals (SDGs) across the Kavre and Bhaktapur districts, facilitating volunteer opportunities for 30+ international participants.
- Contributed to measurable improvements in operational performance across two key organizational programs, recognized through an internal achievement award.

## LANGUAGE PROFICIENCY

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**IELTS Academic:** Overall 7.5 (CEFR C1) | Listening 8.0 | Reading 7.5 | Writing 6.0 | Speaking 8.0 | September 2024

**English:** Professional Working Proficiency | **Nepali:** Native