

Ashesh Nepal

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Education

University of California, Los Angeles (UCLA)

Los Angeles, CA

MEng. Data Science

Sept 2027

- Relevant Coursework: Neural Networks & Deep Learning, Artificial Intelligence, Product Management

St. Cloud State University

St. Cloud, MN

B.S. Computer Science

May 2025

- Mid Central ICPC Regional Programming Contest, 1st Place – Huskies Hack x Immersion Data Solutions, 1st Place – SCSU Hackathon, F. Glen Hamilton Scholarship, Mathematics & Statistics / CS Scholarship, Monte Johnson CS Scholarship

Skills

Languages & Frameworks: Python, TypeScript, SQL, C#, .NET, PyTorch, FastAPI, Next.js, React.js

Cloud & DevOps: Azure Functions, Service Bus, API Management, GitHub Actions, Terraform, Docker

Data, AI & Systems: SQL Server, PostgreSQL, Data Pipelines, REST APIs, Model Context Protocol (MCP), Machine Learning, LLM Integration, Distributed Systems, Microservices

Experience

Associate Software Engineer

Nov 2025 - Sept 2026

Metropolitan Council

St Paul, MN

- Co-led development of an automated and randomized data-transfer pipeline for Metro Transit Police Quality Assurance, processing approximately 4,500 cases per month while eliminating manual case assignment and ensuring fair distribution
- Analyzed NexTrip's data architecture and flow and co-designed an Azure API Management proxying approach for real-time stop, schedule, and vehicle data across a regional transit system serving 150,000+ weekday riders

Application Developer 1

May 2025 - Nov 2025

Metropolitan Council

St Paul, MN

- Created a custom automation script that reduced UAT processing time from approximately 1 developer-hour to 5 minutes, cutting repetitive testing effort by over 90% and accelerating deployment cycles
- Centralized 18 vendor APIs into Azure API Management by importing services, standardizing documentation, and improving API discoverability for internal development teams

Application Integration Intern

May 2023 - May 2025

Metropolitan Council

St Paul, MN

- Modernized 3 legacy SAP Data Services workflows by redesigning them into an Azure Functions and Service Bus architecture, improving scalability and aligning integrations with organizational cloud strategy

Teaching Assistant, Data Structures and Algorithms

Jan 2025 - May 2025

St Cloud State University

St Cloud, MN

- Provided one-on-one debugging support for students in programming and algorithms coursework, helping diagnose code errors and explain technical concepts clearly
- Supported students in Data Structures and Algorithms coursework, including complexity analysis and implementation

Projects

Your1000Resume

July 2025 - Present

AI Resume SaaS

your1000resume.com

- Built an AI-powered resume customization platform using a multi-service architecture with Next.js, .NET, FastAPI, and Typst for LLM-assisted data transformation and personalized PDF generation
- Launched the platform publicly, attracting 33 user sign-ups and generating 72 customized resumes through the production application

Z8ter

May 2025 - Present

Web Development Framework

z8ter.dev

- Designed and implemented a Python-based web framework to simplify UI rendering, receiving 200+ downloads on PyPI
- Built file-based routing and an interactive-islands architecture that combines server-rendered Jinja pages with Solid-powered custom elements on Starlette