

Dipendra Shrestha

Athens, GA

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Summary of Qualifications

- Skilled full-stack developer with modern JavaScript frameworks and cloud experience
- Strong grounding in software engineering best practices and design principles
- Background in requirements analysis, client communication, and mentoring
- Digital-accessibility intern (UGA CAES-OMC/OIT) with WCAG 2.2 audits, PDF remediation, and game-accessibility work

Education

University of Georgia, School of Computing

M.S. Computer Science

Athens, GA

Aug 2026

Purbanchal University, Kantipur City College

B.C.A., Computer Application — GPA 3.48/4.00

Kathmandu, Nepal

May 2020

Relevant Coursework

Software Engineering, Data Structures and Algorithms, Operating Systems, Database Management, Object-Oriented Programming

Technical Skills

Languages: JavaScript/TypeScript, C#, Go, Rust, Python

Frameworks & Libraries: Node.js, Express, NestJS, Next.js, React, PixiJS

Databases: PostgreSQL, MySQL, MS SQL, MongoDB, Redis

Cloud: AWS, Azure

Tools: Git, Docker, Bash, Sentry, Grafana

Accessibility: DubBot, axe DevTools, WAVE, Adobe Acrobat / CommonLook PDF

Experience

University of Georgia – College of Agricultural & Environmental Sciences, Office of Marketing & Communications

Athens, GA

Digital Accessibility Intern

Oct 2024 – Present

- Performed manual and DubBot WCAG 2.2 audits on CAES and UGA Extension sites; logged issues for editors and developers
- Reviewed accessibility for Georgia Ag Impact Report, CAES Annual Report — *State of Solutions*, and Extension publications
- Wrote alt text for Sprout Social / Instagram posts and social-media toolkits (Emergency, Farm Stress Summit, GA Ag Awareness Week)
- Lead gameplay developer for *Master Gardener Quest*, a text-based story game for grades 4–8 that guides players from a local Extension Office through horticulture camp to a demo garden

- Contributed data and narrative to an Accessibility Impact Report and draft CAES digital-accessibility policy

Fusemachines Inc.
Software Engineer

Kathmandu, Nepal
Oct 2021 – Jul 2024

- Developed full-stack applications with NestJS, Next.js, AWS, Docker, and Kubernetes
- Led technical Knowledge-Sharing Sessions and mentored associate/intern developers
- Built microservices using RabbitMQ and implemented distributed logging (Sentry, Grafana, Pino)
- Integrated i18next and AWS Translate for internationalization

Leapfrog Technology Inc.
Software Engineer

Kathmandu, Nepal
Jul 2020 – Oct 2021

- Integrated Node.js Azure Functions with Power Platform for an Immunization Information System (IIS)
- Implemented partner API for CLEAR Health Pass and built reporting systems with Power BI
- Conducted system design, feasibility studies, and client communications

Leapfrog Technology Inc.
Associate Software Engineer

Kathmandu, Nepal
Sep 2019 – Jul 2020

- Built Node API endpoints for internal HR platform using Knex
- Developed JavaScript/TypeScript web resources and C# plugins on Microsoft Dynamics
- Created Power Platform PCF components with TypeScript

Leapfrog Technology Inc.
Software Engineering Intern

Kathmandu, Nepal
Jun 2019 – Sep 2019

- Developed a 2-D platformer game with HTML, CSS, and JavaScript
- Learned RESTful API development using Node.js and Express