Nivedan B R

+1 (425) 439-8405 | nivedanbr18@gmail.com | LinkedIn | GitHub

Education

University of Washington, Bothell Expected Aug 2028
MS in Computer Science and Software Engineering 2026 – Present
RV University 2022 – 2026
B.Tech (Hons.), Computer Science, Minor in Fintech Bangalore, India

Experience

Software Development Engineer Intern – Lawgical Jun 2025 – Aug 2026
San Francisco, CA (Remote)

- Joined as the startup's second engineer; shipped 390+ production pull requests and built full-stack services supporting growth from 0 to 15+ US law firm customers in one year.
- Owned features from problem definition and system design through implementation, testing, and production readiness; made technical decisions and coordinated delivery with stakeholders.
- Engineered a graph-based legal-intake questionnaire system using NestJS, TypeScript, and Supabase/PostgreSQL, with conditional branching, batched question delivery, flow validation, and row-level security.
- Designed an asynchronous video-processing pipeline using FFmpeg and Cloud Run Jobs, with signed uploads and idempotent database operations to support safe retries; addressed database scaling limitations using PostgreSQL RPCs.
- Built AI-powered intake and follow-up workflows integrating ElevenLabs, Twilio, OpenAI, and Vertex AI, including browser-based voice calls, webhook processing, and lead scoring.
- Automated testing and deployment workflows with GitHub Actions CI/CD and structured cloud logging; reviewed pull requests for architecture, security, correctness, and maintainability.
- Led SOC 2 Type II readiness and HIPAA compliance efforts; remediated penetration-test findings involving XSS, CSRF, authentication, session management, and access control, and automated dependency-security checks.

Tech Intern – U4U Jan 2024 – Jun 2024
Berkeley, CA (Remote)

- Collaborated with a cross-functional team to build educational and wellbeing platform features for teen girls, including Fit Crush and a compatibility-check game based on user-engagement goals.

Projects

Learnify – Full-Stack LMS *Next.js, Supabase, Tailwind CSS*

- Built an AI-powered LMS that generates course material, student profiles, and review questions; benchmarked multiple LLMs for content accuracy and efficiency to select a model.

Visa Trends in Japan – Data Pipeline *PySpark, Plotly, Python*

- Built a distributed pipeline to clean, transform, and standardize public datasets using fuzzywuzzy and pycountry; developed interactive visualizations for non-technical audiences.

ColdChain IQ – Route Risk Analysis *Python, GeoPandas, Streamlit*

- Combined Urban Heat Island data, route metadata, and thermal thresholds to assess spoilage risk; automated data cleaning, route parsing, and time-series risk evaluation.

Technical Skills

Languages: Java, JavaScript, TypeScript, Python, C
Web & Databases: React, Next.js, NestJS, Node.js, Tailwind CSS, PostgreSQL, Supabase, RPCs, webhooks
Cloud & Quality: GCP, Cloud Run Jobs, GitHub Actions, CI/CD, automated testing, structured logging
Computer Science: Data Structures & Algorithms, Object-Oriented Design, Complexity Analysis, Operating Systems, Distributed Computing
AI & Data: OpenAI APIs, Vertex AI, ElevenLabs, OpenAI Codex, PySpark, GeoPandas, Plotly

Leadership & Recognition

Vice President, Sponsorship & Fundraising – E-Cell, RV University Mar 2023 – Feb 2024

- Led partnerships and fundraising for university entrepreneurial programs; independently managed external communications and stakeholder relationships.
- IEEE CCEM 2023 Student Project Showcase: Proposal Winner.