

DIWAS PANDIT

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EDUCATION

Bachelor of Science in Computer Science - Texas State University

Expected May 2028

Relevant coursework: Object-Oriented Programming, Algorithms & Data Structures, Discrete Math, Technical Writing

TECHNICAL STRENGTHS

- **Languages:** Java, Python, C++, C, JavaScript, Go (familiar), MIPS
- **Web & Databases:** Next.js (React/Node.js), Express.js, MongoDB, PostgreSQL, Prisma ORM
- **Tools & Platforms:** Linux/Unix, Docker, Git, Agile/Scrum, CI/CD

EXPERIENCE

Software Engineering Intern (Incoming)

Jun 2026 – Aug 2026

Kioxia America, Round Rock, TX

- Building a full-stack inventory asset audit tracking system to streamline hardware lifecycle management and compliance reporting across engineering teams.

Customer Technical Support Intern

Jun 2025 – Aug 2025

Kioxia America, Round Rock, TX

- Designed and deployed a full-stack inventory platform (Next.js, Prisma, PostgreSQL) replacing Excel workflows; scaled to 5,000+ records, reducing manual entry by 90%.
- Automated logging, scheduling, and reporting via server-side scripts, saving 30+ engineering hours/month.
- Authored 30+ pages of deployment and architecture docs to accelerate adoption across distributed teams.

Undergraduate Research Assistant

Oct 2024 – Dec 2024

AIT Lab, Texas State University

- Applied ML models (Python, PyTorch) on 3M+ data points, achieving 7% accuracy gain over published baselines.
- Co-authored a peer-reviewed paper on Kolmogorov-Arnold Networks (ACM Journal), cited by 200+ researchers.
- Built reproducible Docker + Git pipeline for experiment orchestration, cutting onboarding time by 40%.

Tech Support Engineer Intern

Jun 2024 – Aug 2024

Hybrid.co, Kathmandu, NP

- Built client-facing dashboards for performance tracking, reducing reporting time from 2 hrs to 10 min.
- Implemented backend scripts to validate customer data, reducing configuration errors during onboarding.
- Resolved distributed app issues across 50+ client deployments, sustaining 99.9% uptime.

PROJECTS

RUMI – AI Roommate Finder

Nov 2024

Built a full-stack app (Node.js, MongoDB, OpenAI API) matching roommates via multi-factor compatibility. Designed the MongoDB document schema and API for efficient querying. Won Best in Development, NanoCat Hack, TXST.

Quick Maths – Chrome Extension

Nov 2024

Developed a Chrome extension (React/Next.js, Google Gemini API) solving handwritten math from images in real-time. Integrated screen capture and OCR via the Chrome Extension API for instant problem-solving.

ACHIEVEMENTS & ACTIVITIES

- Dean's List (Fall 2024, Spring 2025) — Co-author – Published Research Paper (AIT Lab, TXST)
- Hackathon Winner – Texas First AI Hackathon (Apr 2025), Best in Development – NanoHack (Nov 2024), SerpApi Track – ACC River Hack (Apr 2025)
- Clubs – IEEE, .EXE