AARYAN DHAKAL

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CAREER ASPIRATIONS

Backend-focused CS student with hands-on experience in automation, system orchestration, and infrastructure. Proven ability to build internal tools and production-ready solutions using modern backend stacks. Open to relocation. Seeking a Summer 2026 internship.

EDUCATION

- **B.S. in Computer Science**
  Expected Graduation: May 2027
  YSU (2022–2023) → CCBC (2023–Present) → Transferring to Towson University (Spring 2026)

WORK EXPERIENCE

IT Application Integration Department, Youngstown State University, OH
  Student Programmer (December 2022 – September 2023)
- Migrated outdated computer orientation setup from manual PXE installations to Microsoft Intune, automating device provisioning for **200+ new student and staff systems annually**, reducing setup time by over 45**%**.
- Built a secure SharePoint submission portal using Microsoft Graph API, enabling students to directly upload required documents — replacing email-based workflows and improving data security and processing time for **5+ departments** handling **1,000+ submissions/year**.

Field Technician Department, Youngstown State University, OH
  Student Technician (October 2022 – December 2022)
- Built **Celper**, an automation tool that parsed printer alert emails and converted them into IT support tickets — removing the need for manual ticket entry. The system was later adopted into the broader internal IT workflow, enhancing response times and streamlining maintenance operations for 50+ networked printers.
- Promoted to Student Programmer within 6 weeks of hire for technical initiative and rapid solution development.
- Resolved software, hardware, and networking issues for 50+ end-users weekly, delivering responsive support across faculty, staff, and student environments.

Anmol Special Education Center, Biratnagar, Nepal
  Software Developer (December 2021 – May 2022)
- Developed an accounting system to manage transactions, student data, and generate financial reports, replacing an Excel-only workflow and streamlining operations for greater efficiency.

COMPUTER AND TECHNICAL SKILLS

- Programming Languages: Go, Python, TypeScript, C++, SQL, C, JavaScript
- Frameworks & Libraries: Echo, Django, FastAPI, Gin, Express.js, React, Tailwind, Selenium
- Databases: PostgreSQL, SQLite, Redis
- DevOps & Infrastructure: Podman, Docker, Kubernetes, Linux, Traefik
- Tools: Git, GitHub, Vim, Figma

PROJECT EXPERIENCE

NASA Space Apps Challenge
- Led a 5-person team to national victory (nominated globally). Built coordination tooling including Discord bot for task tracking and scheduling.

HomeLab Infrastructure
- Architected dual-node infrastructure (Ubuntu Server + Arch Linux) with 6-VLAN network segmentation using MikroTik RouterOS, Cloudflare DNS/DDoS protection, and 10+ containerized services via Podman
- Deployed Traefik reverse proxy with auto-SSL, Tailscale VPN with YubiKey auth
- Configured centralized development server accessible globally via Tailscale SSH with persistent Docker Compose stacks, GNU Stow-managed dotfiles, and instant project spin-up

Netpr - netpr.rndhkl.com
- Developed remote printing solution enabling secure document printing from anywhere via web interface
- Integrated with CUPS backend and containerized for deployment on home server