Divanshu Chauhan

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EDUCATION

M.S. Computer Science **May 2026**
Arizona State University, Tempe, AZ **GPA : 3.9/4.0**
B.S. Computer Science **May 2025**
Arizona State University, Tempe, AZ

TECHNICAL SKILLS

Programming Languages: Java, C/C++, Go, Python, Bash, Rust, JavaScript, Swift
Frameworks & Tools: Node.js, Git, MATLAB, Scikit-learn, PyTorch, NumPy, Flutter, Docker, K8s, React, Next.js
Databases: PostgreSQL, MongoDB, MariaDB, MySQL, Redis, Firebase, Supabase
Cloud & DevOps: AWS, Microsoft Azure, GitHub Actions, Jenkins, Vercel, Cloudflare, Terraform, Ansible
Operating Systems: Windows, macOS, Linux/Unix (including RHEL and Debian)
Relevant Courses: CSE355, CSE330, CSE340, CSE546, CSE578

EXPERIENCE

UG Teaching Assistant / Tutor / Instructional Aide, Arizona State University, Tempe, AZ **August 2023 - Current**

- Supported 200+ students across 6 courses, authored 15+ lab rubrics and debugging guides that raised average project scores 8 percent semester over semester.
- Built a Java/JS autograder that flagged common errors (null checks, off-by-one, file I/O), cutting manual grading time by 6 hours per week.

Finance and Technology Intern, Xrossways INC., Gurgaon, Haryana **May 2023 - August 2023**

- **Automated cost analysis (Python, Pandas)** across cloud invoices and CRM exports, identifying redundant SKUs and saving an estimated 1.8k USD per month.
- Shipped a static company site with **Astro** and uptime checks, decreasing time-to-publish from days to minutes.

Student Intern, The Purpose Academy & SCET, UC Berkeley, California **January 2021 - May 2021**

- Did contribution towards graphic design, layout, and communication for **Telehealth Clinic Project** at the Sutardja Center for Entrepreneurship & Technology (SCET), UC Berkeley.
- Led a team of two, while applying skills in **project management**, **engineering**, and **strategy**. Implemented **Telehealth solution** using **Raspberry Pi and 4G Module** in remote villages. Deployed at 2 locations.

RELEVANT PROJECTS

Clickfolio (clickfolio.me) | Open-Source Project **January 2026 - Present**

- Built a **serverless SaaS** that extracts structured data from PDF resumes via AI and generates themed, privacy-aware web portfolios — deployed on **Cloudflare Workers** with **edge caching** and **S3 R2 storage**
- Designed a claim-check upload flow with **Google OAuth**, **async AI parsing** with status polling, auto-save editor, and a 4-step onboarding wizard

ASU Capstone (asucapstone.com) | Capstone – Arizona State University **August 2024 – May 2025**

- Operated a SaaS built using **Next.js 15, Alma Linux 9, Cloudflare CDN** and **Better Auth** for user auth.
- Built preference collection and auto-matching for sponsors and students, matching 400+ submissions in under 3 minutes with a stable marriage heuristic, added admin overrides and audit logs.

WarpDL (warpdl.org) | Open-Source Project **May 2023 - Present**

- An open-source download manager using Go, achieving **10x faster** speeds (compared to Chrome) by optimizing concurrency across **Linux, macOS, and Windows**. Improved network efficiency by utilizing low-level OS libraries.

Alita Robot: Telegram Group Management Bot | Open-Source Project **Feb 2020 - Present**

- Operated a multi-tenant moderation bot serving 1M+ users at 98%+ monthly uptime.
- Cut p95 latency 62% via **Redis batching**; **reduced infra cost 28% with spot nodes** and tier consolidation.

EXTRACURRICULAR EXPERIENCE

ScaleU+PIA 2026 Hackathon Winner | Evexia **Feb 2026**

- Built Evexia, a patient-controlled medical data platform with AI-driven consent explanation and inference detection, using **Next.js 16**, **Cloudflare Workers**, and **Supabase**

IISE at ASU × ThinkSolve Hack 2025 Hackathon Winner **Dec 2025**

- Designed a peak-load optimization framework leveraging existing data center UPS batteries and thermal storage to stabilize Arizona's power grid during 5–9 PM demand spikes