

SAMYOG MAHARJAN

[GitHub](#) [LinkedIn](#) [Email](#) [Portfolio](#)

Education

University of Texas at Arlington

Bachelor of Science in Computer Science (Honors) – GPA: 4.0/4.0

Expected May 2029

Arlington, TX

Experience

Student Technical Assistant

UTA Office of Information Technology

Nov 2025 – Present

Arlington, TX

- Develop web content using HTML, CSS, and CMS platforms while conducting QA testing for WCAG 2.1 accessibility compliance and cross-browser functionality, providing technical support across university digital platforms

ACM Create Member

Association for Computing Machinery @ UT Arlington

Sep 2025 – Nov 2025

Arlington, TX

- Architected complete frontend for Meowricks real-time campus mapping application using Google Maps JavaScript API with RESTful backend, implementing 10-second live polling for dynamic updates without page reloads
- Engineered custom SVG markers with intelligent clustering and interactive UI featuring hover tooltips and database-driven modals, improving data visualization by 40% while achieving 100% mobile compatibility

Projects

SnapNest – Social Image Bookmarking Platform | Django, React, PostgreSQL, Redis, Cloudinary

[Live](#)

- Built full-stack social platform with 90% query optimization using select_related/prefetch_related, infinite scroll via Intersection Observer, and Redis view tracking for trending content analytics
- Implemented OAuth 2.0 (Google/GitHub), JWT tokens, drag-and-drop uploads, browser bookmarklet, and debounced search reducing API calls by 80%, deployed on Render/Vercel with sub-200ms response times

Devnix – Python CLI Development Tool | Python, Click, PyPI

[Docs](#)

- Created zero-config CLI automating Python workflows with intelligent framework detection for Django, FastAPI, and Flask, reducing setup time by 75%
- Engineered security scanner detecting exposed secrets and unsafe settings, plus automated health checks for dependencies, virtual environments, and port conflicts; published to PyPI with CI/CD pipeline

Gist – AI Note-Sharing Platform (HackUTA 7) | React, Flask, PostgreSQL, Google Gemini AI, Tailwind

[Devpost](#)

- Architected full-stack learning platform with my team and Google Gemini OCR achieving 95% accuracy digitizing handwritten notes to searchable Markdown with LaTeX, processing 100+ uploads during hackathon
- Built multi-strategy recommendation engine analyzing course enrollment, social connections, and tags for personalized discovery, increasing engagement by 60%; designed responsive interface with infinite scroll, debounced search, and social features

Additional Projects: Luminaria (Django blog with SEO), FoodieX (recipe platform) and many more.

Technical Skills

Languages: Python, JavaScript, C/C++, SQL, HTML/CSS

Frameworks & Libraries: Django, React, Flask, FastAPI, Next.js, jQuery, Tailwind CSS, Bootstrap, Framer Motion

Developer Tools: Git/GitHub, PostgreSQL, Redis, SQLite, RESTful APIs, OAuth 2.0, JWT, Cloudinary, Vite, Click

Deployment & Design: Vercel, Render, Figma, Responsive Design, Google Maps API, WCAG Accessibility, CDN

Certifications

Web Design & Python with Django Certification

2025

Broadway Infosys