

Devianshi Goyal

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EDUCATION

Bachelor of Science in Computer Science

Arizona State University

Expected May 2026

Tempe, AZ

Relevant Coursework: Data Structures & Algorithms, Operating Systems, Computer and Network Forensics, Computer Network Security, Data & Information Security, Human Computer Interaction, Mobile App Development, Data Visualization, Distributed Software Development.

TECHNICAL SKILLS

Programming Languages: Python, C, C++, C#, Java, MATLAB, JavaScript, Scheme, HTML, CSS, SQL, Linux, Bash Scripting

Library/Framework: JavaFX, Crypto, Animate.css, Wow.js, Bootstrap, Node.js, Django, React, Pandas, Flask, Firebase SDK

Web Development: REST APIs, Responsive design, Asynchronous JavaScript, DOM Manipulation, Authentication & Authorization, API Integration

Tools: Git, GitHub, Pycharm, Eclipse, Visual Studio, VSCode, Arduino, Bash, Jira, PostgreSQL, Docker, LLMs

Certifications: Udemy C Programming, HackerRank SQL, Cloud Computing, Ethical Hacking in IoT and Cyber Space

PROFESSIONAL EXPERIENCE

Technology Consultant

LX Space Success at Arizona State University

July 2024 – Present

Tempe, AZ

- Delivered 99.9% uptime across 120+ smart classrooms serving 20,000+ students and 500+ faculty by proactively maintaining and debugging mission-critical AV infrastructure, ensuring seamless lecture capture, display routing, and real-time audio-visual feedback across campus.
- Built and deployed a searchable digital operations manual using Markdown, HTML, and GitHub Pages, reducing recurring incidents by 30% and accelerating on-site diagnostics by 40%, while supporting faculty through 1:1 and group training for rapid adoption of complex classroom tech

Software Development Intern

Gurus of Web Technologies Pvt. Ltd.

May 2025 – Aug. 2025

Remote

- Designed and deployed a modular Flask REST API using PostgreSQL, JWT auth, and PyTest, boosting backend reliability by 40% through structured service layers, test-driven development, and defensive error handling across 10+ endpoints.
- Built a full-stack task management system with Jinja2, Bootstrap, and JavaScript, enabling real-time sprint tracking for 10+ team members, while refactoring SQL query logic and implementing index-based lookups and caching, reducing average API latency by 35% and improving team delivery velocity by 25%.

Technical Intern - Business Support Systems

Krishna Steel Udyog

Oct. 2021 – July 2022

Haryana, India

- Streamlined inventory and supply chain tracking in a mid-scale aluminum manufacturing unit by automating manual workflows using Python, Pandas, and spreadsheet scripting, reducing reporting time by 50% and improving data consistency.
- Designed and deployed a modern product website using HTML, CSS, and JavaScript, enabling online product showcasing and order placement, which improved business reach and facilitated digital sales processing for the first time in company history.

PROJECTS

Foxhole Lounge - Mobile App

Aug. 2025 – Present

- Built scalable posting and auth flows using Flutter, Firebase Auth, and Firestore, powering real-time content for 500+ veterans, and improved UI performance by 60% via modular Bloc-based state logic; collaborated in an Agile team using Git, GitHub, and Jira.

Discord Meme Bot - Python Application

Sep. 2025

- Developed an async Discord bot in Python using REST APIs and non-blocking event loops to handle 60+ concurrent users, enhancing real-time engagement in meme-sharing channels.

Custom Search Engine with Exa

April 2025

- Shipped a semantic search engine with Python, Flask, and Exa API, improving result accuracy by 35% and reducing query latency by 40% across 4+ domains via ranking logic, JSON pipeline optimization, and metadata extraction

LEADERSHIP

Elemental Member, American Association for the Advancement of Science (AAAS)

Jan. 2025 – Present