# Harish Chaurasia

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## SUMMARY

Full-stack and AI/ML Engineer with 3+ years of experience. Experienced in training, fine-tuning, and deploying NLP models within scalable web platforms backed by proven experience in agile team leadership, guiding and mentoring teams through the full project lifecycle.. *Seeking Fall 2025/Spring 2026 internships and full-time roles starting May 2026.*

## EDUCATION

**Arizona State University, Tempe, AZ**

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| **Masters in Computer Science** | GPA: 3.83 | May 2026 |
| **Bachelors in Computer Science** | GPA: 3.69 | May 2025 |

**Minors:** *Games Development, Pop Music*
**Coursework:** *Natural Language Processing, Artificial intelligence, Machine Learning, Data processing and Visualizations, Human-Computer Interaction(HCI), Cloud Computing, Data Structures & Algorithms, Database Management*

## EXPERIENCE

**Software Developer, School of Manufacturing Systems & Networks, ASU**          **Dec 2023 - Present**
- Optimized C++ code, digital twins, and interactive UIs to simulate industrial workflows, improving training efficiency by 15%.
- Built cross-platform simulations in Unreal Engine with real-time feedback systems, reducing errors and enhancing engagement.
- Collaborated with Los Alamos National Lab on nuclear material handling simulations, increasing operational accuracy by 30%.

**AR/VR Developer & Researcher, LEAPS, ASU**          **Jan 2023 - Oct 2023**
- Developed AR/VR training modules for military microgrid systems using Unity, ARKit, and Vuforia.
- Integrated microgrid hardware simulations into training software, ensuring accuracy and reliability.
- Automated content workflows and digital learning tools, reducing manual training workload by 30%.

**Software Lead, EPICs Team, ASU**          **Jan 2022 - Dec 2023**
- Directed a 6-member team to design and deliver community-focused software solutions.
- Implemented agile workflows and version control, reducing development cycle times by 20%.
- Coordinated with faculty and stakeholders to align technical execution with project goals.

## PROJECTS

**AI Agent Privacy Benchmarking (NLP Research)**          **Aug 2025 - Present**
- Designing test scenarios in Python to detect agent vulnerabilities like hidden data requests and prompt injections.
- Creating adversarial prompts to test agent responses, contributing to new standards for privacy-preserving AI.

**LyricalAI - Multimodal AI Songwriting Assistant**          **May 2025 - July 2025**
- Integrated GPT-2 and Whisper models with a FastAPI backend for real-time text generation and audio transcription.
- Designed a responsive frontend with React and TailwindCSS for seamless creative user interaction.
- Added chord/key recommendation engine trained on 10k+ songs for mood-based composition.

**MatchABLE – Inclusive Workforce Matching Platform**          **Spring 2025**
- Developed an NLP-based resume parser and accessibility ranking algorithm in Python.
- Built a responsive frontend with React/Next.js and a scalable backend with MongoDB/Node.js.
- Designed admin dashboard with analytics for tracking diversity and inclusion metrics.

## LEADERSHIP

**Technical Officer & Treasurer, Google Developer Students Club, ASU**          **Jan 2022 - Present**
Led 15+ workshops on Full Stack, Cloud Computing, & AI/ML; organized hackathons and events, impacting 500+ students and boosting club participation by 40%.

## TECHNICAL SKILLS

**Languages:** Python, Java, C++, C#, HTML5, CSS/SASS, SQL,PostgreSQL, MongoDB, MySQL, DynamoDB
**AI/ML:** Scikit-learn, PyTorch, TensorFlow, NLP, AI Safety, HCI, Haptics
**Full-Stack:** React, Angular, Node.js, JavaScript/TypeScript, Django, FastAPI, iOS, RESTful APIs
**DevOps & Tools:** Docker, Kubernetes, AWS, Git/GitHub, CI/CD, Firebase, Linux/UNIX Shell, Agile/Scrum