

ANAY PRADHAN

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Education

Arizona State University — Ira A. Fulton Schools of Engineering

Tempe, AZ

B.S.E. in Computer Science

Expected May 2026

- **GPA:** 3.7/4.00 | **Awards:** Dean's List
- **Relevant Coursework:** Data Structures & Algorithms, Machine Learning, Object Oriented Programming, Mobile App Development, Operating Systems, Distributed Software Development, and Theoretical Computer Science

Skills

Languages: Python, Java, R, SQL, TypeScript, JavaScript, C#, HTML/CSS, C (Arduino)

Technologies: React, Node.js, Express, ASP.NET, Django, Bootstrap, Postman, OpenAI API, AWS, SQLite, PostgreSQL, Git, Docker, REST APIs, PyTorch, TensorFlow, Ubuntu/Linux, Hugging Face Transformers, Pandas, NumPy, Jupyter

Interests: AI-powered applications, Generative AI UIs, LLM fine-tuning, Real-time Web UX, LLMs, Prompt Engineering, Scalable Web Systems, Frontend Aesthetics, UI Optimization

Experience

Learning Engineering Institute

Tempe, AZ

Software Developer Volunteer

Jun 2025 – Present

- Built RESTful services using ASP.NET and C to support internal client tools; collaborated across QA, design, and product for agile delivery.
- Integrated and tested new features with version control (Git), reducing UI latency by 15% and optimizing user interaction workflows.
- Supported cross-functional debugging efforts and documented changes to improve onboarding for new devs.

Enterprise Technology

Tempe, AZ

Technology Consultant

Start 2023 – Present

- Provided technical support and system diagnostics across 200+ classrooms, showcasing strong analytical and problem-solving skills.
- Collaborated with engineering staff to maintain mission-critical technology used in real-time instruction environments.

Projects

Nutramigo — Macro & Calorie Coach — [Code](#) | [Demo](#)

- Engineered a full-stack nutrition tracker (Django + PostgreSQL) with secure auth and demo access, enabling 50+ daily logins and 100+ food entries during testing.
- Reduced manual entry time by 40% through OpenFoodFacts API integration, quick-add meals, and favorites functionality.
- Enhanced user experience by integrating 7-day Chart.js visualizations, AI-generated meal tips, and a persisted dark/light theme, creating a more engaging and personalized nutrition tracking interface, encouraging consistent daily use.

SERA – AI Sexual Health Chatbot — [Code](#) | [Demo](#)

- Engineered a full-stack chatbot integrating OpenAI's LLM APIs for real-time natural language responses; implemented prompt handling, model feedback streaming, and UI accessibility.
- Developed secure RESTful API integrations for frontend-backend communication; handled token-based authentication, user state management, and reusable React components.
- Applied agile development practices to collaborate on LLM prompt tuning, model testing, and performance optimization for production-ready chatbot deployment.

Technical Activities

Prompt Engineering for Developers

Aug 2025

Udemy – Certificate of Completion

Remote

- Built hands-on expertise with prompt design, LLM integration, and chatbot/recommendation system development using Python.

GHW GenAI Week – Major League Hacking

June 2025

Participant

Remote

- Participated in workshops on AI Q&A interface development (Oracle APEX), AI Agent creation, and prompt engineering.

AWS Solutions Architect

June 2025

Virtual Job Simulation – Forage

Remote

- Designed scalable AWS architectures (EC2, S3, ELB) with cost optimization and security compliance for clients.