

Shiven Shekar

San Jose, CA |  | LinkedIn | Github

Education

Arizona State University, Tempe

Expected Graduation: May 2026

Bachelors of Science in Computer Science; Honors: Dean's List

Relevant Coursework: Data Structures & Algorithms; Operating Systems; Intro to Software Engineering;

Computer Org/Assembly Language Programming; Object-Oriented Programming; Digital Design; Applied Linear Algebra

Work Experience

Anthropic

President + Claude Builder Ambassador, Arizona State Immersion

August 2025 - Present

- President of the Anthropic campus builder initiative among **800+ student members**
- Engineered **responsive Next.js** site; **72%** bounce rate reduction; **10,000** organic sessions; **100%** Core Web Vitals
- Led open-source repository management, handled issue tracking, PR-reviews, built Playwright testing suite

Apple

Software Engineer Intern, Retail Engineering

Jan - May 2025

- Built an end-to-end **Swift iOS** app utilizing **multi-agent architecture** featuring **STT, RAG, LLM-as-Judge**
- Architected **microservices** synchronizing Apple AI, Java + Flask servers, RESTful APIs, PostgreSQL integration, & **real-time audio streaming** via ngrok tunneling w/under **200ms latency**
- Led an AI technical session for Apple FT SWE, delivering training on AI tools & implementation strategies

Software Engineer Intern, Infrastructure Services

May - Aug 2024

- Engineered enterprise-scale **Full-Stack conversational AI** features utilizing microservices architecture
- Developed **RESTful API** endpoints using **Spring Boot** & JSON API 1.1 with **JWT Authentication** and OAuth2.0
- Architected frontend architecture patterns with **React.js**, implementing responsive UI/UX design

Ira A. Fulton Schools of Engineering

Research Aide, Active Perception Group

Jan - May 2025

- Developed **real-time quaternion-based orientation tracking system** using Movella DOT **IMUs** and Python
- Created **3D** visualization models for **human movement analysis** using **matplotlib** and **NumPy**
- Designed **modular software architecture** for **BLE** sensor connectivity and **data streaming**

Projects

Personal VPN Infrastructure

Oct - Nov 2024

- Designed and deployed secure **VPN** infrastructure on **AWS VPC + EC2** with high-availability configuration
- Implemented **WireGuard** protocol with advanced **encryption** and **network security protocols**
- Established robust **Linux system administration** with advanced networking configurations

Reddit to Tiktok Content Generator

Sept - Oct 2024

- Engineered a **Python** script to convert Reddit posts into TikTok video content
- Integrated multiple RESTful APIs (**PRAW, RapidAPI, ElevenLabs**) for content aggregation and **Text-to-Speech**
- Implemented **video processing pipeline** w/**FFmpeg** & **Aeneas** alignment for precise media synchronization

SMS Text Classification Network

Dec 2023 - Feb 2024

- Architected **deep learning LSTM Neural Network** achieving **97% accuracy** in text classification
- Implemented comprehensive **data preprocessing** pipeline for **NLP** optimization
- Optimized model performance through **Early Stopping** and **Dynamic Learning Rate** using **NLTK**

Skills/Certifications

Backend/Server: Java (Spring Boot); Python; C++; Terraform; AWS VPC, EC2, RDS; MongoDB

ML/Data Science: Numpy, MATLAB, TensorFlow, Scikit-Learn, Pandas, NLTK, Natural Language Processing

Frontend: Swift, Next.js, React.js, Javascript (ES6+), HTML5, CSS3

Certifications: Machine Learning w/Python, MongoDB Node.js Developer, Responsive Web Design, Google Data Analytics