

# Amit Anantrao Patil

510-435-5509 ♦ iamitpatil2001@gmail.com ♦ [Github](#) ♦ [Linkedin](#) ♦ [Portfolio](#)

## EDUCATION

### California State University, East Bay, Hayward, California

May 2025

Masters of Science in Computer Science (GPA: 3.6/4)

**Relevant Courses:** *Advanced Algorithms, Web Systems, Cybersecurity, Theory of Computation, Operating Systems Design, Machine Learning, Advance Artificial Intelligence, Database & Management Systems, Computer Networks.*

## TECHNICAL SKILLS

**Programming Languages:** Python, C++, Java, JavaScript

**Databases:** MySQL, PostgreSQL, MongoDB, Snowflake(worked on caching and high-performance data retrieval)

**Frameworks & Tools:** Flask, Django, Node.js, Express.js, Airflow, REST APIs, Streamlit, Tableau

**Cloud Technologies:** AWS (S3, EC2, Lambda, RDS), Google Cloud (Compute Engine, BigQuery, Cloud Functions)

**AI & Machine Learning:** LLMs , RAG , Vector Databases, AI Agents, Speech-to-Text, Text-to-Speech, Image Processing, Prompt Engineering, Fine-Tuning, Backend AI Services.

## WORK EXPERIENCE

### Zoom

2025

*Zoom Developer MVP*

- Recognized by Zoom for outstanding contributions to the Developer Forum, providing technical expertise and community engagement to support developers worldwide.
- Actively moderate community discussions, troubleshoot Zoom API implementation issues, and share best practices to foster a more inclusive and knowledgeable developer ecosystem.

### California State University, East Bay

2024

*Student Assistant*

- Built and maintained autonomous Duckiebots using ROS for real-time navigation, contributing to a project focused on agent-based decision-making in complex environments..
- Documented and streamlined assembly procedures and coding standards for robotics lab, resulting in a 30% reduction in setup time for new systems.

### Kipi.ai

2023

*Senior Software Engineer*

*Remote*

- Engineered and deployed a distributed system on AWS that processed terabyte-scale data, reducing processing latency by 40% through architectural improvements.
- Owned the full software lifecycle for data services, including shipping production code with full instrumentation for logging, monitoring, and documentation.

*Software Engineer*

2022 - 2023

- Developed and maintained a full-stack data platform integrating Salesforce and Snowflake, using GitLab CI/CD for automated testing and deployment.
- Built and evolved REST APIs to provide internal teams with programmatic access to processed data, improving cross-functional visibility for key business operations.

## PROJECTS

### BrokeBro | GitHub | 50+ hours

- BrokeBro uses AI-powered OCR detection to recognize when a user is about to order food from DoorDash. When detected, it triggers a real-time voice call using Vapi.ai's AI assistant - disguised as "Future You" - who humorously persuades the user to reconsider their decision.
- Built with FastAPI for backend orchestration, Groq LLM for conversation generation, Vapi.ai for real-time calling, Cartesia Voice (Indian Male) - Customized voice model and Screenpipe for OCR-based order detection.
- Winner in the HackHayward AI Track for innovation in AI-driven behavioral interventions.

### AI Learning Assistant | GitHub | 100+ hours

- Developed an autonomous AI learning assistant for Zoom that proactively summarizes lecture content, generates quizzes, and provides contextual resources to enhance student engagement.
- Implemented seamless integration with Zoom APIs to provide real-time lecture summaries and resource generation, enhancing student engagement.

### MediScan | Github | 60+ hours

- Built an AI-powered application that acts as a patient advocate, interpreting complex medical documents and images to provide clear summaries and answer questions via an LLM.
- Implemented Open Ai as LLM, Qdrant for vector-based storage, Memo for context retrieval, and integrated FastAPI, Streamlit, and Tesseract OCR to enhance accessibility and accuracy.