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, Reinforcement Learning, PyTorch, TensorFlow, 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 NVIDIA Jetson Nano and ROS for real-time navigation and obstacle detection in Duckietown 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*
· Reduced cloud data processing time by 40% by optimizing Snowflake pipelines and improving storage utilization.
· Migrated high-volume data from RDS to Snowflake with Airflow, lowering reporting latency by 20% and enabling near real-time analytics.
Software Engineer   *2022 - 2023*
· Built an end-to-end ETL pipeline integrating Salesforce, Matillion, dbt, GitLab CI/CD, and Snowflake, improving data availability and visibility for an EV scooter manufacturer.
· Configured 500+ Snowpipes and automated workflows with Airflow and Sigma, streamlining data ingestion and reporting for a financial advisory client.

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 a Zoom-based chatbot that summarizes lecture content, generates quizzes, and offers additional learning resources using Fireworks AI and Qdrant.
· Implemented seamless integration with Zoom APIs to provide real-time lecture summaries and resource generation, enhancing student engagement.

MediScan | Github | 60+ hours
· Developed an AI-powered application for analyzing medical documents and images, providing patient-friendly summaries, Q&A, and treatment suggestions via LLM.
· Implemented Qdrant for vector-based storage, Memo for context retrieval, and integrated FastAPI, Streamlit, and Tesseract OCR to enhance accessibility and accuracy.