


Aniketh Srinivasa Kini

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EDUCATION

University of Alberta

Edmonton, AB

BSc in Computer Engineering (Co-op) – Software Option

Sep 2022 - Apr 2027 (Expected)

- Relevant Courses: Operating Systems (CMPUT 379), Software Design (CMPUT 301), Databases (CMPUT 291), Software Testing (ECE 322), Software Requirements (ECE 321), OOP (ECE 325), Data Analysis and ML (ECE 447), Embedded Systems (ECE 315), Exploring Software Development Domains (ECE 421)

TECHNICAL SKILLS

Languages: Python, Java, C, C++, SQL, HTML/CSS, JavaScript, Kotlin, Rust

Frameworks/Platforms: FastAPI, React, Vite, Django, MySQL, SQLite, MongoDB, Firebase, Android Studio, Node/Express

AI/ML: Whisper, DisVoice, Praat/Parselmouth, Librosa, NumPy, Scikit-learn, LightGBM, RandomForest

Tools & DevOps: Git, Terraform (AWS), DuckDB, Linux, Cloudflare Tunnel, PowerBI

Other: Figma, DrawIO, Raspberry Pi, Arduino

EXPERIENCE

Software Engineering Intern

Jun 2025 – Aug 2025

HID Global

Chennai, TN

- Developed an Android app enabling NFC-based secure mobile access using encrypted JWT token validation via REST APIs.
- Contributed to MCP (Model Context Protocol) server development for Anthropic PPI team, enabling secure tool invocation.
- Implemented OAuth2 + JWT authentication and deployed serverless workflows on AWS Lambda with Terraform.
- Documented Android–NFC and MCP server architecture for cross-team reference.

Python Developer Intern

Jan 2025 – Apr 2025

Saraswath Consulting

Remote

- Built DuckDB pipelines to analyze multi-source traffic data, improving processing speed by 35%.
- Applied regression models to detect positive/negative in-market trends for YouTube and Display data.
- Automated CSV report generation and KPI summaries for marketing teams.

Software Intern

Jun 2024 – Aug 2024

Canarys Automation Ltd.

Remote

- Developed Python + Django modules for internal web automation and backend services.
- Maintained SQL schemas across 7 Django apps, reducing query latency by 15%.
- Built responsive UIs using HTML/CSS and Bootstrap for internal dashboards.

Engineering Student Intern

May 2023 – Aug 2023

Milectria Middle East LLC

Abu Dhabi, AE

- Created SQL-based inventory system tracking 2,000+ components across two warehouses.
- Automated verification of serial numbers and item codes, cutting manual errors by 20%.
- Collaborated with HR and accounting on data validation workflows.

PROJECTS

Summit – EventLottery (Android App) | Java, Firebase, XML

- Built an Android app with a 6-member team for event registration and randomized lottery-based winner selection.
- Implemented organizer and entrant flows using Fragments, Navigation Components, and Firebase Realtime Database.
- Integrated form validation, unique device constraints, and secure data writes using Firebase Authentication.
- Applied MVC architecture and unit-tested the lottery selection module for accuracy and fairness.

Babbly – AI Voice Conversation Coach | React (Vite), FastAPI, Vapi, Whisper, DisVoice, Praat

- Built a conversational practice app where users speak with an AI for short sessions and receive personalized communication feedback.
- Implemented a FastAPI backend that ingests webhook recorded audio and extracts prosody, phonation, and articulation features using DisVoice/Praat-Parselmouth.
- Integrated Vapi for real-time voice conversations (STT/LLM/TTS) and generated structured coaching insights via an LLM prompt pipeline.

WATTcher – Energy Consumption Monitor | Python, Arduino, React

- Built Python GUI and Arduino firmware to monitor and visualize real-time household energy data.
- Integrated serial communication between Arduino sensors and Python backend for automated data logging.
- Developed a React dashboard displaying interactive visualizations of live and historical power usage.
- Won 1st place at the APIC Energy Hackathon for innovation and technical excellence.

Test Cricket Simulator | HTML, CSS, JavaScript | Simulator Link

- Developed an interactive Test match simulator with full 11 vs 11 rosters, team selection, commentary, and auto-simulation.
- Implemented ball-by-ball logic, session management, toss, follow-on, and declaration functionality using JavaScript.
- Built dynamic scorecards and batting/bowling statistics tables with responsive layouts and real-time updates.