

Aniketh Srinivasa Kini

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EDUCATION

University of Alberta <i>BSc in Computer Engineering (Co-op) – Software Option</i>	Edmonton, AB 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 <i>HID Global</i>	Jun 2025 – Aug 2025 Chennai, TN
– Developed an Android app enabling NFC-based secure mobile access using encrypted JWT token validation via REST APIs.	
Python Developer Intern <i>Saraswath Consulting</i>	Jan 2025 – Apr 2025 Remote
– Built DuckDB pipelines to analyze multi-source traffic data, improving processing speed by 35%.	
Software Intern <i>Canarys Automation Ltd.</i>	Jun 2024 – Aug 2024 Remote
– Developed Python + Django modules for internal web automation and backend services.	
Engineering Student Intern <i>Milectria Middle East LLC</i>	May 2023 – Aug 2023 Abu Dhabi, AE
– Maintained SQL schemas across 7 Django apps, reducing query latency by 15%.	
– Built responsive UIs using HTML/CSS and Bootstrap for internal dashboards.	
– Documented Android–NFC and MCP server architecture for cross-team reference.	
– Automated CSV report generation and KPI summaries for marketing teams.	

PROJECTS

Summit – EventLottery (Android App) <i>Java, Firebase, XML</i>	
– 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 <i>React (Vite), FastAPI, Vapi, Whisper, DisVoice, Praat</i>	
– 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 <i>Python, Arduino, React</i>	
– 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 <i>HTML, CSS, JavaScript</i> 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.	