

# ISHAAN KATARIA

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## EDUCATION

### Monash University

Bachelor of Commerce / Bachelor of Information Technology (Double Degree)

Expected Dec 2028

Melbourne, VIC

- WAM: 77 (Distinction Average) | Relevant Coursework: Programming (Python), Web Fundamentals, Business Statistics, Financial Management

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, TypeScript, Go, C++, HTML/CSS, SQL

**Frameworks & Tools:** React, Next.js, Node.js, FastAPI, Streamlit, Tailwind CSS, Git/GitHub, Docker

**APIs & Infrastructure:** OpenAI API, WebSockets, WebRTC, REST APIs, PostgreSQL, SQLite

## PROJECTS

### Ember: Elderly Care Platform with Real-Time Translation

Mar 2026

UNIHack 2026 | Team of 6 | Next.js, React, Go, WebRTC, PostgreSQL, Docker

- Built a full-stack elderly care platform combining one-tap video calling with an AI routine companion, featuring real-time speech translation across 13+ languages via a self-hosted pipeline (Whisper + argostranslate + piper-tts) achieving under 550ms latency.
- Developed the caregiver dashboard with medication adherence tracking, mood check-ins, and a smart escalation system that detects concerning patterns and sends contextual nudges to family members with one-tap actions.

### SiteVoice: Voice-Powered AI Assistant for Tradespeople

Feb 2026

Sophii AI Agents Hackathon | Solo Project | Python, Streamlit, OpenAI GPT-4o, Whisper

- Built a voice-controlled AI assistant using OpenAI Whisper and GPT-4o with 11 function-calling tools, enabling plumbers to create professional itemized quotes entirely by voice with accurate pricing and GST calculations within a 33-hour solo sprint.
- Engineered a real-time speech-to-text pipeline with a built-in Australian plumbing materials database across 6 categories; presented to industry judges, receiving commendation for execution scope and practical applicability.

### StockAnalyser: AI-Powered Financial Text Analysis

Feb 2026

Personal Project | Python, FastAPI, OpenAI API, JavaScript | stockanalyser-seven.vercel.app

- Developed a web application that analyses earnings reports, news articles, and transcripts using GPT-4o-mini, delivering instant sentiment analysis, key insights, risk factors, and actionable summaries across three specialised analysis modes.
- Built a FastAPI backend with a responsive dark-themed frontend deployed on Vercel, featuring export-to-JSON functionality and persistent analysis history for iterative research workflows.

## EXPERIENCE

### Housekeeping Attendant

Sep 2025 – Present

BASSCare Aged Care

Melbourne, VIC

- Maintained hygiene standards across 50+ resident rooms, coordinating daily scheduling with nursing and admin staff to address urgent requirements, contributing to consistent compliance across quarterly health and safety audits.
- Independently managed shifting priorities between routine maintenance and time-critical sanitation requests in a high-sensitivity healthcare environment, resulting in positive reliability feedback from facility management.

### Front of House / All-Rounder

Jan 2025 – Jun 2025

Kolonaki Greek Restaurant

South Yarra, VIC

- Managed simultaneous service for 15+ tables in a fine-dining environment, collaborating with kitchen and FOH teams to maintain service flow across peak seatings, recognised by management for consistent customer satisfaction.
- Executed nightly closing operations including stock reconciliation, POS closeout, and cash handling as part of a 3-person team, achieving zero financial discrepancies over the 6-month tenure.

## CERTIFICATIONS

- Google Data Analytics Professional Certificate (In Progress), Coursera