

Siddhanth Thakuri (Sid)

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PROFESSIONAL SUMMARY

Software Engineer with 2+ years of commercial experience at Accenture and a Master of Computer Science from the University of Wollongong. Experienced building and shipping production web applications across backend systems, full stack products, and AI-powered platforms using Python, Node.js, React, TypeScript, and C#. Has independently designed, built, and launched multiple live SaaS products end-to-end covering system design, API development, database architecture, cloud deployment, and CI/CD pipelines. Actively works with LLMs, RAG systems, and AI agents in production, and contributes to frontier AI model training and evaluation through Alignerr. Comfortable working in Agile teams, taking ownership of features, and contributing from day one.

KEY SKILLS

Languages: Python, JavaScript, TypeScript, C#, SQL, PostgreSQL
Frontend: React.js, Next.js, React Native, HTML, CSS, Tailwind CSS
Backend: Node.js, Express.js, FastAPI, ASP.NET Core, REST API Design
Databases: SQL Server, MySQL, MongoDB, Supabase (PostgreSQL), SQLite
Cloud & DevOps: AWS, Azure, Vercel, Render, CI/CD Pipelines, Git
AI & ML: Machine Learning, Deep Learning, LLMs, RAG Systems, AI Agents, Claude API
AI Tools: Claude Code, Cursor, n8n Workflow Automation, ChatGPT, GitHub Copilot

RELEVANT EXPERIENCE

Software Engineer | *Accenture, Hyderabad, India* | Aug 2021 – Jun 2023

- Developed and enhanced backend systems using C#, ASP.NET Core, and SQL Server for enterprise client applications, working across feature implementation, performance optimisation, bug fixes, and database management throughout full delivery lifecycle.
- Collaborated with cross-functional teams including business analysts, QA, and infrastructure, and engaged directly with stakeholders to gather requirements and translate them into technical solutions.
- Took initiative to support frontend development beyond the backend role, assisting with ASP.NET MVC views and React pages, and contributed to Python-based data processing tasks as part of broader project needs.
- Conducted 120+ peer code reviews, contributing to an 18% reduction in defect rates and maintaining high standards for code quality across the team.
- Supported the full testing lifecycle including unit testing, collaboration with UAT teams on acceptance criteria, post-deployment validation, and production smoke testing to ensure stable and reliable releases across client environments.
- Delivered knowledge transition sessions to onboarding team members, documenting system architecture, codebase walkthroughs, and operational runbooks to reduce ramp-up time and maintain continuity across project handovers.
- Joined above the standard graduate entry level and was recognised with multiple awards in 2022 for outstanding contribution to project delivery.

PROFESSIONAL EXPERIENCE

AI Trainer and Code Evaluator (Freelance) | *Alignerr, Labelbox* | Jan 2026 – Present

- Selected into the Alignerr expert network through a rigorous vetting process with a 3% acceptance rate, contributing to AI model training and evaluation for frontier AI labs.
- Evaluated AI-generated code outputs for correctness, efficiency, and quality, providing structured feedback to improve LLM coding capabilities across real-world programming tasks.
- Completed AI response evaluation tasks including prompt design, output ranking, and reasoning assessment to support RLHF and alignment training pipelines.
- Identified failure modes and edge cases in model responses, writing improved alternative outputs to help frontier models better handle ambiguous, multi-step, and domain-specific coding scenarios.

Software Developer (Contract) | *MegaBliss LTD, New Zealand (Remote)* | Jul 2025 – Oct 2025

- Built and maintained backend services and REST APIs using Node.js and Express.js for a content creation and rewards platform, handling user activity tracking, reward logic, and data persistence with Supabase.
- Developed cross-platform mobile features using React Native and Expo, collaborating with the team on UI implementation using Figma designs as reference across both iOS and Android.
- Integrated AI-assisted development workflows throughout the build process to accelerate feature delivery while maintaining code quality and consistency.
- Worked within a structured Agile environment with regular sprint meetings, Git-based version control, and pull request reviews across a distributed remote team.

ACADEMIC PROJECTS

DrugNexusAI – Clinical AI Platform (CSIT998 Capstone, UOW) | May 2025

Stack: React, TypeScript, Node.js, FastAPI, Python, ChemBERTa, MongoDB, OpenRouter, AWS, Vercel, Render

Links: drugnexusai.app | github.com/SIDDHANTH-THAKURI/healthcare-ai-suite

- Designed and built a production-ready Clinical Decision Support System (CDSS) to help doctors and patients identify potentially dangerous drug interactions using AI, addressing a real gap in how medical information is communicated in plain language.
- Architected a microservices system across four independent services: a React and TypeScript frontend, a Node.js API gateway handling authentication and routing, a FastAPI ML service for document processing and patient history analysis, and a dedicated FastAPI DDI service running AI models for drug interaction classification.
- Trained and integrated multiple AI models including a ChemBERTa-based binary DDI predictor, a deep learning classifier, and a Stanford AI deidentifier for HIPAA-compliant patient data handling.
- Built a context-aware AI chatbot with a 9+ LLM fallback system via OpenRouter (DeepSeek, GPT-4, Llama and others), with intent detection and personalised responses based on patient prescription history and medical conditions.
- Delivered separate doctor and patient portals with role-based access control, JWT authentication, prescription tracking, 7-day medication adherence streaks, and a models playground for interactive AI testing.
- Deployed across a multi-cloud architecture: Vercel for frontend, AWS App Runner for the Node.js gateway, Render for Python microservices, and MongoDB Atlas for the database.

PERSONAL PROJECTS

Job Hunter – Automated Job Scoring Tool | May 2026

Stack: Python, Claude API, SQLite, Apify

Link: github.com/SIDDHANTH-THAKURI/Job-Hunter

- Built an AI agent that scrapes Seek for IT roles in Sydney, scores each listing against a personal profile using the Claude API, and stores ranked results in SQLite, cutting manual job search time significantly.
- Designed the end-to-end pipeline independently: web scraping via Apify, prompt engineering for consistent scoring logic, SQLite schema for ranked storage, tailored resume and cover letter generation per role, and a personal dashboard for reviewing and managing saved job results.

HireReady AI – Resume Tailoring SaaS | Apr 2026

Stack: Next.js, TypeScript, Node.js, Python, Supabase (PostgreSQL), Claude API, Vercel, Render, Neon

Link: hirereadyai.app

- Most people send the same resume to every job and wonder why they do not hear back. HireReady fixes that by analysing a job description and resume together, scoring the match using a deterministic ATS algorithm, and using AI to tailor the resume for that specific role.
- Built the entire product independently: system architecture, REST API routes, database schema, Stripe billing, user authentication, and a responsive frontend, from zero to a live product with real users.

ShiftMate – Workforce Management SaaS | Mar 2026

Stack: React, Node.js, Supabase (PostgreSQL), Twilio, Resend, Stripe, Render, Neon

Links: shiftmate-1.onrender.com | waya.onrender.com

- Built to solve a real problem observed firsthand in shift-based workplaces: cover requests, roster changes, and communication gaps that waste time and cause stress. ShiftMate automates this with a worker app and manager portal that handle shift management, sick day cover requests, SMS and email notifications, and billing.
- Implemented role-based access control across two linked applications, Twilio SMS and Resend email notification workflows, Stripe credit billing, and deployed both apps to production on Render where they remain live and in active use.

EDUCATION

Master of Computer Science | University of Wollongong, NSW | Jul 2023 – Jul 2025

- Specialisation: Machine Learning & Big Data | WAM: 77.9/100 | Distinction | Academic Excellence Scholarship
- Key subjects: Software Engineering, Algorithms & Data Structures, Database Systems, Machine Learning, Deep Learning, Big Data Analytics, NLP, Computer Vision

Bachelor of Technology (Aeronautical Engineering) | MLR Institute of Technology, India | Aug 2017 – Aug 2021

- Published research on Unmanned Aerial Vehicle (UAV) design using computational modelling
- Key subjects: C Programming, Data Structures, Python, MATLAB, Engineering Mathematics, Computer-Aided Design

CERTIFICATIONS & AFFILIATIONS

- ACS Professional Year Program – ICT | QIBA, Sydney | Jan 2026 – Present
- Microsoft Certified: Security, Compliance & Identity Fundamentals (SC-900)
- Python Programming and Computational Thinking | NPTEL, IIT Ropar | 2020
- Australian Computer Society (ACS) – Associate Member | Member ID: 4470859