Manav Jayesh Mehta

Melbourne, VIC · Gmail · +61 481 006 825 · Linkedin · Github - Portfolio

Graduate Visa 485 — Full unrestricted work rights — Available immediately

TECHNICAL SKILLS

Languages: Python, JavaScript (ES6+), Java, Solidity, C++
Web & Frameworks: React, Angular, HTML5/CSS3, Bootstrap, REST APIs, Firebase
Cloud & DevOps: AWS (EC2, S3, Lambda), Docker, Kubernetes, Azure, Jenkins, CI/CD
Databases: PostgreSQL, MongoDB, SQL
Security & Practice: OWASP Top 10, Secure Coding, Penetration Testing, TDD, Agile/Scrum, Git
Blockchain: Solidity, Truffle Suite, Web3.js, MetaMask, Ethereum

PROJECTS

Decentralised To-Do DApp · Full-Stack · React · Solidity · Ethereum *2024*

- Built and **deployed** a full-stack DApp on Ethereum Sepolia testnet — all CRUD operations handled on-chain via smart contract, eliminating backend server dependency entirely
- Identified and resolved a **reentrancy vulnerability** through self-directed security review; restructured storage mappings cutting gas costs by **~30%**
- Integrated MetaMask wallet auth with a custom React hook managing cross-component session state

Solaxis — Dual Axis Solar Tracker · Arduino · C++ · IoT Hardware *2023*

- Engineered a **real-time solar tracking device** from scratch using Arduino, LDR sensors, and servo motors — tracking algorithm written from physics first principles, no library
- Achieved **15% efficiency gain** over static panels; cut servo power consumption by **22%** via custom dead-zone threshold algorithm

BLINXOE — Smart Blind Stick · Arduino · IoT · Agile · Team Lead *2023*

- Led sensor integration and haptic alert logic for an assistive device; invented a **vibration pattern language** encoding obstacle direction and proximity without visual feedback
- Built a failure test harness simulating sensor dropout — unprompted, beyond the brief — and coordinated a **4-person Agile team** through delivery

EXPERIENCE

Nightfill Team Member · Coles Group · Melbourne *Sep 2023 – Present*

Full-time study + part-time employment maintained concurrently for 2+ years

- Progressed to team coordination within **3 months**; managed nightly replenishment under strict time constraints across multiple departments
- Running full-time study, part-time work, and independent software projects simultaneously demonstrates **execution discipline** most graduates don't have

EDUCATION

Master of IT (Professional) · Deakin University, Melbourne *2023 – 2025*

Cyber Security & Software Development · WAM: 70%+

BBA in Computer Applications · Ness Wadia College, Pune *2020 – 2023*

NSP Scholarship — all 3 years · Consistently top academic performer

CERTIFICATIONS

Angular Developer — Edureka · **Face Recognition with Python** — GUVI Geek Networks