

EKRAMUL ISLAM

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EDUCATION

Monash University

Master of Data Science

Melbourne, Australia

Jul 2025 – Jul 2027

- **Coursework:** Data Wrangling, Software Engineering, Bioinformatics, Machine Learning, Data Visualisation, Data Analytics, Algorithms and Data Structures, Deep Learning, Theory of Computation

Monash University

Bachelor of Computer Science (Data Science)

Melbourne, Australia

Jul 2022 – Jul 2025

- Awarded High Achievers Scholarship (2022)

WORK EXPERIENCE

Full Stack Software Developer

CEALS Australia

Aug 2026 – Present

Melbourne, Australia

- Building a new e-commerce platform from the ground up with Next.js and TypeScript, including end-to-end payment integration and a REST API layer for catalog, cart, and order management
- Enhancing existing iOS and Android applications, implementing Row-Level Security (RLS) policies to enforce per-user data access at the database layer
- Transitioning the app's UI to Apple's Liquid Glass design language, adopting the latest iOS visual and interaction patterns

Full Stack Software Developer

MindSigns – Monash University (FIT) Initiative

May 2026 – Present

Melbourne, Australia | mindsigns.online

- Designed, built, and deployed the official MindSigns website end-to-end using Next.js, React, and TypeScript
- Engineered a custom particle-based 3D hero animation (Three.js/React Three Fiber) – a procedurally generated hand model built via forward kinematics that morphs between sign-language poses, with cursor-reactive physics and device-aware fallbacks
- Built a reusable editorial design system (React components + Tailwind CSS) with scroll-driven animations and micro-interactions via Framer Motion, including an IntersectionObserver-based interaction layer for touch parity on mobile

Co-Founder & CEO

LynkSphere

Dec 2024 – Present

Melbourne, Australia

- Co-founded a software studio delivering iOS, Android, and web applications to Australian startups and B2B clients using React Native, Next.js, SwiftUI, and Supabase
- Grew from zero to ~\$30,000 AUD revenue within 3 months, shipping 3 production applications including a 14-month cross-platform community platform (LinkedHive)
- Managed full client lifecycle from technical scoping and architecture through to deployment and post-launch support
- Acquired clients through pitches at BNI Australia, StartSpace Library, and Entrepreneurs Summit 2026

PROJECTS

LinkedHive | *React Native, Expo, Next.js 16, TypeScript, Supabase, Drizzle ORM, Stripe*

[Website](#) | [iOS](#) | 2025–2026

- Built a cross-platform (iOS, Android, Web) location-based community and business networking app for Australian suburbs, featuring real-time chat, posts, events, jobs, and local deals
- Engineered full-stack backend with Next.js API routes, PostgreSQL via Supabase, and Drizzle ORM covering 20+ entity types
- Integrated Google Gemini 2.5 Flash AI for real-time content translation and summarisation across posts, news, events, and job listings
- Implemented Stripe subscription billing (\$149 AUD/year premium) with webhook handling and Resend transactional emails

TimeBreak | *Swift, SwiftUI, WidgetKit, ActivityKit, AppIntents, EventKit*

[GitHub](#) | [iOS](#) | [macOS](#) | 2026

- Built a native Pomodoro timer for iOS and macOS with an analog clock interface, running on a single SwiftUI codebase across iPhone, iPad, and Mac with a dedicated menu bar app

- Implemented Live Activities and WidgetKit Focus Trail widget to surface session state on Lock Screen and Home Screen without opening the app
- Integrated EventKit for Reminders surfacing during focus sessions, custom theme picker, timer sounds, and guided onboarding flow

Personal Portfolio Website | *Next.js, TypeScript, Tailwind CSS, Framer Motion, GSAP, Three.js* [Website](#) | 2026

- Built a terminal-themed portfolio with a live zsh-style hero animation and scroll-triggered section reveals across About, Skills, Projects, Experience, Education, Leadership, and Contact
- Rendered a real-time 3D galaxy of ~85,000 particles with Three.js, animating from a scattered starfield into spinning spiral arms
- Implemented Lenis physics-based smooth scroll, a Nodemailer-backed contact form, and a one-click CV download, deployed on Vercel with continuous deployment

AFL Game Ranking System | *Next.js, React, Python, CatBoost, MongoDB, Pandas, Scikit-learn, Plotly.js, Tailwind* [GitHub](#) | 2025

- Trained CatBoostRegressor models on historical AFL data with Python subprocess integration via Next.js API routes, achieving 78% match outcome accuracy
- Built REST API endpoints connecting React frontend to ML backend, with MongoDB for team and player data storage
- Visualised team performance and player stats using Plotly.js and Chart.js with interactive filtering

F1 Pinnacle of Motor Sports | *Tableau, Data Visualisation, Statistical Analysis* [Tableau Public](#) | 2024

- Built interactive dashboards with calculated fields, filters, and parameter controls displaying driver nationality, constructor performance trends, and season-by-season comparisons across decades of F1 data

Hearts Game | *Python, OOP, AI Heuristics, Modular Architecture* [GitHub](#) | 2023

- Built a terminal-based Hearts card game in Python with full game logic, trick-taking mechanics, and score tracking using OOP with modular player, card, and round classes
- Implemented two AI opponent strategies — a basic rule-based agent and an improved heuristic AI — for single and multi-player modes

LEADERSHIP

Kingston Business Network *Melbourne, Australia*

- Represented LynkSphere and delivered a startup-focused talk on how founders can start, position, and grow a successful business

BNI Melbourne *Melbourne, Australia*

- Took part in BNI Melbourne's short story program, presenting LynkSphere's work in software and startup development to a business audience

Monash Generator Representative *Monash University*

- Represented Monash Generator at new student orientation, briefing incoming cohorts on entrepreneurship programs, startup resources, and business development opportunities

Go-Global Day Representative *Monash University Prato, Italy*

- Represented Monash Prato campus to 200+ students of Monash University Malaysia as the main event representative

Pisa Tour Leader *Monash University Prato, Italy*

- Guided a group of 5 students across Pisa, delivering a speech on the historical significance of key sites including the Leaning Tower of Pisa

Class Leader – MGX3991 *Monash University Prato, Italy*

- Led a 45-minute student session, keeping the cohort engaged through interactive activities and a two-week recap

MUVP x RMM Outreach Event *NGO, Kuala Lumpur, Malaysia*

- Conducted an educational class for orphaned children as part of a university outreach initiative

CORE SKILLS

Languages: Python, Java, JavaScript, TypeScript, Swift, Kotlin, Bash, R, SQL, HTML/CSS/Tailwind

Technologies: Android, iOS, MongoDB, ReactJS, NodeJS, Next.js, Flutter, AWS, Google Cloud

Tools: Jupyter, Tableau, RStudio, VS Code, Git, GitHub, Docker, Xcode, Firebase, GeminiAPI, Claude Code, Codex, LLM APIs

Data & Bioinformatics: NumPy, Pandas, TensorFlow, PyTorch, Scikit-learn, PySpark, Apache Spark, limma, DESeq2, RNA-seq analysis, GO enrichment analysis, Bioconductor

Soft Skills: Leadership, Decision Making, Technical Communication, Public Speaking, Agile Methodologies, Mentorship, Conflict Resolution, Negotiation