Aditya Mehrotra

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EDUCATION

Monash University   **Melbourne, Australia**
Master of Information Technology   *Currently Enrolled*

Manipal Institute of Technology   **Manipal, India**
Bachelor of Technology: Information Technology   *Graduation Date: September 2021*

WORK EXPERIENCE

MOSAIC   **Melbourne, Australia**
Full Stack Engineer (Volunteer)   *April 2025 - Present*

- Building web applications with Vue.js, with a focus on front-end development, and integrating with AWS serverless services (S3, Lambda, DynamoDB, API Gateway, Cognito) for secure and scalable solutions.
- Built CI/CD pipelines with GitHub Actions and containerized workloads with Docker & Kubernetes, reducing release cycles by 40% and enabling efficient scaling.
- Strengthened application security and authentication by implementing AWS Cognito, IAM policies, and role-based access control, while collaborating in Agile (Scrum) teams to deliver production-ready features.

Darwinbox   **Jakarta, Indonesia**
Senior Integration Consultant   *April 2024 - July 2024*

- Led the development and optimization of API integrations using Python & R, improving data interoperability and automation across enterprise clients, reducing system downtime by 20%.
- Designed and automated data integration workflows, enhancing system efficiency across legacy and modern platforms.
- Led the migration of legacy code to Python & R, improving system maintainability and performance.

Integration Consultant   *October 2022 - March 2024*

- Developed and deployed API-based integrations using Python & R, improving data interoperability and automation across enterprise clients in banking, automotive, retail, and sustainability sectors.
- Optimized data pipelines and ETL processes, achieving 95% accuracy in integration testing.
- Led technical workshops on integration best practices, improving adoption rates by 75%.

Implementation & Account Management   *February 2021 - January 2023*

- Managed the end-to-end deployment of a cloud-based HR system for 130+ clients, reducing implementation time by 50%.
- Developed custom dashboards & reporting tools using Power BI & Tableau, enabling better data visualization & strategic decision-making.
- Collaborated with cross-functional teams, ensuring seamless system integration and adoption

SKILLS & TECHNOLOGIES

Programming & Development: Python, R, SQL, Java, JavaScript, HTML, CSS, Vue.js, Bootstrap, Tailwind, PrimeVue

Cloud & DevOps: AWS (S3, Lambda, DynamoDB, API Gateway, Cognito, IAM), Docker, Kubernetes, GitHub Actions, CI/CD

APIs & Integration: REST APIs, OAuth, Postman, SSO Implementation

Databases: MySQL, PostgreSQL, DynamoDB

Data & Analytics: Power BI, Tableau, Pandas, ETL Pipelines

Development Practices: Agile (Scrum, Kanban), API-Driven Development, Git/GitHub

Security & Compliance: Secure Data Handling, Encryption (PGP, SSH), IAM Policies

Currently Learning (Academic Projects): Kotlin, Jetpack Compose, Distributed Systems