Aldrich Vincent

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EDUCATION

Bina Tunas Bangsa School (High School)   **Jakarta**

International Baccalaureate (IB) Diploma Programme (Grade : 37/45)   *Graduation Date: May 2023*

Jakarta International College   **Jakarta**

Bachelor of Computer Science (GPA: 4.0/4.0)   *Graduation Date: Feb 2024*

Monash University   **Melbourne, VIC**

Bachelor of Computer Science (GPA : 3.75/4.0)   *Graduation Date: Dec 2025*

TECHNICAL SKILLS

- Languages: Python, Jave, SQL, JavaScript
- Tools & Frameworks : Pandas, NumPy, Firebase, Realtime DB, Git
- Areas of Interest: Data Science, Machine Learning, Recommender Systems, Data Visualization

PROJECT EXPERIENCE

Monash Macathon 2025   **Melbourne, VIC**

Monash Mates -- Peer Mentoring App (Team Project)   *Apr 2025 - Apr 2025*

- Developed an Android-based peer mentoring platform in Android Studio connecting Monash students and alumni for tailored academic and career support.
- Built a recommendation system to match mentees with mentors based on interests, goals, and academic background using Firebase Firestore queries
- Implemented real-time chat, secure login, and media upload using Firebase (Auth, Realtime DB, Firestore, Storage) and Jetpack Compose in Kotlin
- Collaborated in a team of 4 using Agile methodology, ensuring efficient task allocation and version control with Git

Monash University - FIT3163 Data Science Project   **Melbourne, VIC**

NBA Player Ranking Dashboard – Team Project   *Feb 2025 - Nov 2025*

- Developed a full-stack NBA Player Ranking Dashboard using Flask (Python), R, and MongoDB to deliver real-time, transparent player performance rankings with interactive JavaScript and Chart.js visualisations
- Designed and implemented a custom ranking algorithm incorporating z-score normalisation, percentile rankings, PCA, and weighted composite scoring to fairly evaluate players across positions
- Built automated data pipelines using hoopR and nbastatR in R to fetch, clean, and process live NBA data, with weekly scheduled updates via cron jobs
- Implemented interactive features including side-by-side player comparison, hot/cold streak tracking, and advanced filtering by position, team, and statistical category
- Containerised the application with Docker and Docker Compose for consistent development and deployment environments
- Collaborated in a team of 4 using Agile methodology with two-week sprints, Jira for backlog management, GitHub for version control, and Discord for real-time communication

WORK EXPERIENCE

Veve Clothing   **Jakarta**

Operational Management   *Jan 2022 - Dec 2022*

- Designed and maintained a stock and sales tracking spreadsheet in Excel for data-driven decision making
- Coordinated logistics workflows, reducing inventory processing time by streamlining order tracking
- Managed supplier negotiations and cost analysis to ensure efficiency in procurement
- Led product research and social media analytics to improve campaign targeting and engagement

EXTRACURRICULAR & LEADERSHIP

Bina Tunas Bangsa School **Jakarta**

OSIS (Student Council) *Jan 2021 - Dec 2023*

- Coordinated student-led initiatives such as school events, community service projects, and academic competitions, fostering leadership and collaboration
- Acted as a liaison between students and school administration, representing student concerns and contributing to decision-making
- Led a team of 10 peers to successfully organize a charity donation upon homeless people

AWARDS

Top 10 Academic Excellence Award : Recognized among the top 10 highest-performing IB students at Bina Tunas Bangsa School

Principal's Merit Award : Awarded for outstanding academic performance and exemplary conduct in Jakarta International College