

# Anurag Yadav

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## EDUCATION

### University of Western Australia, Perth

Computer Science and Data Science / Bachelor of Science (Graduated 2024)

Global Excellence Scholarship Recipient

## SKILLS

Proficient in Python, R, SQL, Machine Learning (including predictive analytics), React Native, JavaScript, C, C++, and Java.

Skilled in defining and solving AI/ML problems and developing customer-facing automation solutions.

## WORK EXPERIENCE

### Fortescue Metal Group, Perth

Nov 2023 - Feb 2024

#### Vacation Data Scientist (Full - Time)

- Worked on enhancing resource estimation with predictive analytics by applying machine learning to map domain boundaries in Channel Iron Deposits (CIDs), optimizing the precision of mineral assessments.
- Developed AI-driven solutions, applying advanced clustering and statistical models to interpret large-scale mining data for strategic decision-making.
- Automated and streamlined data workflows using R, SQL and Python, boosting efficiency in data modeling and supporting operational decisions in mining.

### RCT Global, Perth

Nov 2022 - Feb 2023

#### Software Engineer Intern (Full - Time)

- Engineered a Python and PyQt-based GUI to visualize network-based real-time data from mining machinery, enhancing data accessibility and operational alignment.
- Optimized data processing for the GUI, ensuring accurate, readable, and timely presentation of critical information for decision-making.
- Collaborated on iterative GUI enhancements, refining features for seamless integration with mining systems and an improved user experience.

### B88 Pty. Ltd., Perth

Feb 2022 - June 2022

#### Junior Data Scientist (Part-Time)

- Engineered Python-based automation scripts for EDA on chemical compositions, significantly reducing data processing time from hours to minutes.
- Transformed client operations by replacing manual calculations with an automated system, minimizing human error and enhancing result accuracy.
- Contributed to a major reduction in labor intensity for client companies, leading to efficient, error-free data analysis.
- Collaborated with web developers to seamlessly integrate these scripts into a client-facing website, further streamlining the data processing experience.

## EXTRACURRICULAR

### Data Science Club

Nov 2022 - Nov 2023

#### Vice - President

- Orchestrated and chaired regular team meetings, assigning tasks and targets to optimize team performance in data science initiatives.
- Hosted a series of events throughout the year for UWA data science students, enhancing engagement and practical learning.
- Facilitated networking events in collaboration with data science industry leaders, fostering professional connections and industry insights.
- Co-led a team of 12 alongside the President, steering the club towards its strategic goals and enhancing its impact on campus.

## REFERENCES

Matthew Clauson | Mentor and Manager | Fortescue | [matt.clauson@fortescue.com](mailto:matt.clauson@fortescue.com)

Divyanshu Siwach | Colleague | RCT Global | [divyanshu.siwach@rct-global.com](mailto:divyanshu.siwach@rct-global.com)