Raunak Arora (Ronny)

Perth, Western Australia | 0452 511 170 | ronny.arora@outlook.com
https://www.linkedin.com/in/raunak-arora-ronny/ | https://ronny-arora.github.io/personal-portfolio/

CAREER PROFILE

Highly motivated and detail-oriented final-year software engineering student with a solid foundation in programming, software development, and problem-solving. Seeking a graduate opportunity to leverage technical expertise and contribute to innovative projects, while gaining valuable industry experience and further developing my skills in a collaborative and dynamic environment.

EDUCATION

Curtin University, Perth, WA   **Jan 2023 – Pursuing**
Bachelor of Computing (Software Engineering) | Final Year
Achievement:
- High Distinction and Distinction in 14 units

Coursework:
- Data Structures and Algorithms, Unix and C Programming,
- Data Security, Object Oriented Software Engineering,
- Software Engineering Testing, Cyber Crime and Security Enhanced Programming
- Machine Learning, Human Computer Interface, Design and Analysis of Algorithms
- Mobile App Development, Distributed Computing

Victoria University Secondary College (High School), Melbourne, Victoria   **Dec 2022**
Year 12 VCE - English, Maths Methods, Physics, Data Analytics, Accounting

SKILLS PROFILE

Technical Skills:
- **Programming Languages:** Python, Java, C, HTML, CSS, Matlab(Basic), Javascript, Kotlin, C#
- **Database Management and Systems:** SQL
- **Tools & Technologies:** Git, Visual Studio, Figma, Jupyter Notebook, GitHub, Vim, MS Excel (Data Analytics), Android Studio
- **Operating Systems:** Linux, Windows, macOS
- **Other:** Agile methodologies, Scrum framework, sprint backlog, problem-solving, teamwork, time management

Non-technical Skills:
- Strong communication skills gained by working in JB Hi-Fi as a sales representative to maintain high client satisfaction.
- Prompt problem-solving skills developed by efficiently resolving bugs in the code whilst working on university projects.
- Demonstrated strong leadership and teamwork skills while working on ComSSA Hackathon projects three times in a row and bagged awards each time.

WORK EXPERIENCE

Macmahon, Perth   **June 2025 – Dec 2025**
Business Analyst Internship
- Assisting in the analysis and optimization of HR and business processes using SAP SuccessFactors and core SAP ERP modules.
- Supporting data collection, cleansing and reporting activities for workforce planning, recruitment and performance management functions.
- Collaborating with senior analysts and HR stakeholders to map current workflows and identify process improvement opportunities.
- Gaining hands-on experience with enterprise systems integration and user access management within a large-scale mining services environment.

JB Hi-Fi, Perth   **Oct 2023 - Current**
Telecommunication Sales Representative (Casual)
- Delivered exceptional customer service in the telecommunications department, provided technical assistance and troubleshooting advice to customers, ensuring their satisfaction with their purchases.
- Achieved sales targets consistently by effectively promoting and selling products, upselling when appropriate, and

demonstrating product features.

Spotlight, Perth   **Jan 2023 – Dec 2023**
Team Member
- Assisted customers in locating and selecting merchandise, ensuring a high level of satisfaction and product knowledge.
- Operated POS systems for customer transactions and returns, ensuring accuracy and speed in processing sales.

PROJECTS & ACHIEVEMENTS

ComSSA Hackathon   **Dec 2024**
Project Name: New Light
- Designed and developed an advanced prototype vehicle specifically engineered for the efficient transportation of livestock and essential supplies. This project was aimed at facilitating societal reconstruction efforts in post-environmental collapse scenarios, ensuring sustainability and resource management in critical recovery phases.

Achievement
- Lead the team and achieved 'Second' position among fourteen different group

ComSSA Hackathon   **July 2024**
Project Name: Earth's Ultimatum
- Developed an application utilizing OpenAI APIs to support farmers and the public in creating sustainable farms, with the objective of innovating humanity's future in a post-collapse world.

Achievement
- Successfully led my team to achieve the "Most Pyrrhic" title among twelve competing teams, demonstrating exceptional leadership and strategic planning skills.

Curtin College Volunteer   **July 2024**
- Assisted in welcoming new students to Curtin College by addressing their inquiries and ensuring they felt comfortable. Provided guidance on the course plan, university layout, and facilitated visits to essential departments.

ComSSA Hackathon   **July 2023**
Project Name: Astro Renaissance
- Developed a strategic solution to facilitate humanity's venture into space exploration

Achievement
- Received the award for Most Innovative Solution in recognition of our groundbreaking approach and exceptional ingenuity in addressing complex challenges.

BLEVE Explosion Pressure Prediction – Machine Learning Project   **April 2025**
- Built an ensemble model (DNNs, Resnet, XGBoost, LightGBM) to predict explosion peak pressure.
- Applied feature selection, PCA, and Bayesian optimization to reduce MAPE to 0.138 and finished 5th on Kaggle Leaderboard.
- Used TensorFlow, Scikit-learn and Optuna in a modular Python pipeline.

Capstone Project – Future of Work Institution   **Jan 2025 - Current**
- Leading development of a full-stack visitor management system for Curtin University's Future of Work Institute using React, Node.js and MySQL.
- Designed key system diagrams (UML, component interactions, dependency matrix) and co-authored architecture and requirements documents.
- Coordinating team tasks, stand-ups and milestone planning as project lead to ensure timely delivery and documentation quality.

MEMBERSHIPS & CERTIFICATIONS

ACS Associate Member													**June 2025**

Microsoft Student Accelerator Program										**Jan 2024**
- Participated in various events and seminars

ComSSA Curtin													**July 2023**
- Participated in several events and competitions
- Won three prizes in a row during the ComSSA Hackathon events

Deloitte Australia – Technology Job Simulation								**Feb 2025**
- Completed a job simulation involving development and coding.
- Wrote a proposal for creating a dashboard