

SUMMARY -

- Penultimate year software engineering student at UNSW, on a Future Of Change Scholarship - graduating in May 2023, eligible for a temporary graduate visa of 4 years with full working rights.
- Competent at solving problems, having taken advanced algorithms courses at university
- Proficiency in programming languages (in decreasing order) - Java, Python, SQL, React JS, HTML, CSS, C, Haskell, Dafny
- Experience with working in teams & liaising with professionals acquired from internships and student societies
- Strong written and verbal communication skills with an IELTS score of 8 out of 9
- Honours thesis focus on detection of sexism on Stack Overflow using machine learning and natural language processing

EDUCATION -

University of New South Wales, Sydney - Bachelor's of Software Engineering (Honours) :

- Awarded Future of Change Scholarship for academic excellence
- Relevant Coursework Completed: Software system design & verification - 89 HD, Advanced algorithms - 80 DN, Database Systems - 84 DN, Blockchain application architecture - 85 HD, Research Thesis - 85 HD, Object Oriented Design, Computer Networks, Shell & Perl Programming, Security Engineering, Assembly language, Software Engineering Projects
- Student societies - Peer Mentor at CSE Soc UNSW, Education Director at UNSW ASEAN SOC, Events Team Member at UNSW Cloud Society

Delhi Public School, Noida - HSC

- Year 12 CBSE result : 92 % ~ translates to 98 ATAR
- Awarded gold medal for consistent academic performance
- IELTS score: 8/9

INTERNSHIPS / WORK EXPERIENCE -

Weldclass - Software Engineering Intern (Remote) - Sydney - 01/2022 - 06/2022

- Worked with a team of interns to perform software Integrations
- Used cloud services and python programming to transcribe the company's call recording data and integrated it into Netsuite ERP to improve customer experience
- Worked on helping the company automate its sales orders using AWS
- Built a web app using ReactJS to assist the company's business development team
- Automated tasks using Microsoft Visual Basic for the sales team

Claidroid - Software Engineering Intern (Remote) - Mumbai, India - 02/2021 - 06/2021

- Collaborated with software engineers to design, develop and test a web application made using Python, ReactJS and hosted on Google Cloud Services.
- Applied knowledge of Python web scraping to create an API
- Created the frontend of the web app using ReactJS
- Wrote backend code to manage and query a Google Firebase Database
- Learnt about cloud services provided by AWS, GCP, Azure & concepts of IAM & cybersecurity

SKILLS -

- Programming in Java & Python
- Algorithms and Data Structures
- Software system design & Object Oriented Programming
- Version Control
- Cloud Services like AWS, GCP and Azure
- Agile/ Scrum Methodology
- RDBMS Development: PostgreSQL, SQLite
- API Design and Development

CERTIFICATIONS -

- J.P Morgan Virtual Internship - React JS Basics
- UBIsecure - Customer IAM Certification
- NIIT - Advanced Excel

VOLUNTEER WORK -

Red Cross Australia - Volunteer

- Handled customer interactions & sales

PROJECTS (Click on title to view project)-

Claidroid Internship Project (Destinated)-

Collaborated with a team of software engineers to build and test a web app that -

- 1) Tracks disease outbreaks around the world
- 2) Informs users of travel restrictions in countries they plan on travelling to
- 3) Informs users of vaccinations they need to get to travel to a particular country
- 4) Allows them to store their vaccination record
- 5) Allows users to book flight tickets

HandsOn - Worked with a team of five engineering students from different streams to automate a standardised upper limb assessment test for occupational therapists at the Prince of Wales hospital. The proof of concept helped therapists analyse patient performance in standardised tests and hence alter their therapy plan to suit their needs. The web app is built using python flask, Heroku PostgreSQL, HTML & CSS.

Calvisor - The App provides recommendations to students on how they could spend their free time, based on their day-to-day timetable and location. The web app has been built using python flask, google maps API and yelp API. The frontend has been made using HTML & CSS.

Honours thesis - Used python programming and Stack Exchange API to extract data from Stack Overflow. Further, used sexism detection NLP models and sentiment analysis to infer if sexism exists in the data.

Reliable Packet Delivery Over UDP - I used JAVA to make a reliable transport layer protocol over UDP similar to TCP, it makes use of Acknowledgements, timeouts etc used by TCP.

GloriaRomanus - A complex strategy game built on top of Java.