Akshat Jain

I am a student at ANU and extremely enthusiastic about Computer Science and Software Development. I am capable and have project experience in Git, Python, Java, JavaScript, C++ and both SQL/NoSQL databases. I take pride in my ability to be open and communicate with others and highly enjoy working in collaboratively on software projects. My specific interests lie largely in Data Analytics, Software Development and Systems Programming. I enjoy problem solving and strive to always learn new skills.

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Education

Bachelor of Advanced Computing (Honours) - Australian National University (ANU)

GPA: 7.0/7.0 (HD Average)

Specialisation: Machine Learning

Committee Member of ANU Computer Science Student's Association (CSSA)

Work Experience

Database / Mainframe Engineer - Services Australia (01/2022 — Present)

- Regularly maintain and update IBM Mainframe / DB2 Infrastructure ensuring that online government services including Medicare, Centrelink, Veterans' Affairs, myGov etc. operate smoothly and reliably.

- Investigate and engineer issues within the IT infrastructure such as poor database performance during high usage periods (e.g. COVID surge & 2022 Floods), handling unpredictable network usage and bugs following the release of new services (e.g. new myGov website).

- Contribute to innovations within the department including the migration of data from mainframes to cloud computing, development of DevOps pipelines for database upgrades and automating large scale tasks by Unix scripting and platforms such as Ansible.

- Regularly work in a team to solve problems and develop new practices collaboratively.

Programming, Mathematics & English Tutor - (01/2019 — 12/2021)

- Independently organised both individual and group tutoring programmes for the listed subjects, including teaching basic programming skills in Python, Java and C++.

- Assisted numerous students in achieving significantly higher grades in their high-school classes including helping students from linguistically diverse backgrounds in personalised sessions.

- Demonstrated an ability to communicate effectively, continually learn and teach technical content and to work with individuals from a diverse background.