

# Avijot Singh

 0405066000    [linkedin.com/in/Avijot Singh](https://www.linkedin.com/in/Avijot Singh)    [Singhavijot17@gmail.com](mailto:Singhavijot17@gmail.com)    <https://github.com/Avijot-singh>

## TECHNICAL COMPETENCIES

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**Programming Languages:** C#, Python, JavaScript

**Web Development:** HTML, CSS, JavaScript, Bootstrap, React

**Databases:** PostgreSQL, MySQL, SQL Server, MongoDB

**Frameworks:** ReactJS, .NET Core, .NET 6, .NET 7, ASP.NET Core Web API, Entity Framework Core (EF Core), ASP.NET Core Identity

**Tools & Principles:** Understanding and practical implementation of Algorithms and data structures, Working with APIs, REST principles, Repository Pattern in ASP.NET Core API, Postman, Swagger, Docker Services, Jira, Confluence

**Networking:** Switch Programming with CISCO Switch, Router configuration CISCO Router, DNS/DHCP/WAN/LAN configurations, Security (SSH, Telnet, Authentication), VPN Configuration, Virtualization (VMWare, Oracle VirtualBox, Hyper-V)

**Version Control:** GitHub, Git

**System Administration:** Active Directory Domain Services (ADDS) deploying services, Group Policies Deployment

## EDUCATION

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**Swinburne University of Technology**

March 2022 - 2024

*Bachelor of Computer Science*

- Coursework: *Data structures and algorithms, Object Oriented Programming, Network And Switching, Computer Systems and Etc*

**Royal Melbourne Institute of Technology(RMIT), Melbourne**

March 2021 - Dec 2021

*Diploma in Information Technology Networking*

- Coursework: *: Network Architecture design, network security, virtualisation, switch and router configuration etc.*

## PROFESSIONAL EXPERIENCE

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**Access Flow Global, Mount Waverley**

2022 - Present

*Software Engineer*

- Worked on engineering APIs and used them for secure database connections for the software.
- Tasks included working on designing and testing rest API's using Postman and user interaction of the software to find potential bugs.
- Utilized programming language C# along with MongoDB, MySQL, PostgreSQL, and Docker.

**Aussie Broadband, Dandenong**

2021 - 2022

*Technical Support Specialist*

- Worked in the Broadband Technical Support Department.
- Role involved troubleshooting connection issues and testing to ensure a stable and secure connection for customers.
- Provided technical assistance to customers via phone and email, diagnosing and resolving connectivity issues.

**Cardinia Shire Council, Officer**

2020 - 2022

*Youth Counsellor*

- Initiated and managed projects addressing pressing youth issues such as mental health and environmental concerns.
- Led and mentored a team of young counsellors to implement and achieve project objectives.
- Organized and facilitated a community event focused on raising awareness about mental health, providing valuable resources and support to local youth.

## PROJECTS

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### Software Testing at Access Flow Global | *UI Testing, Back-end API Testing, Postman*

2023 - July

- Participated in a collaborative team environment to rigorously test a pivotal software application.
- Conducted comprehensive User Interface testing to ensure seamless user interactions and experience.
- Performed intricate back-end API testing using Postman, ensuring robustness and reliability of the system.
- Provided valuable feedback and insights to the development team, leading to significant product enhancements.

## CERTIFICATIONS

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Diploma of Information Technology Networking

Year 12 Certificate, VCE

Cisco: Networks and Switching

Cisco: Introduction to Cyber Security

## REFERENCES

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References available upon request.