Sean Genge

Melbourne, VIC
Phone: 0414 134 382 | Email: seangenge@gmail.com
LinkedIn: https://www.linkedin.com/in/seangenge | GitHub: https://github.com/SeanGenge |
Portfolio: https://seangenge.com/

Recent Masters of Artificial Intelligence graduate with a passion for AI-driven innovation and 2 years' experience in full-stack development. Experienced in collaborating with cross functional teams and applying AI and cloud technologies to solve real world problems. Developed an SMS scam detection system, utilising machine learning and phishing URLs, fine-tuning, pre-training and applying various techniques to achieve a 98-99% accuracy. Loves to solve complex problems and to continuously improve.

Skills

Technical: python, PyTorch, SQL, React, JavaScript, Node, C#.NET, Next.js, Three.js, Java, Typescript

Tools: Visual Studio, Visual Studio Code, Jira, Git

Cloud platforms: AWS, Heroku

Work Experience

Junior Full Stack Developer   **March 2019 - September 2021**
APT   Melbourne, VIC
An Australian owned touring company spanning across different brands and markets. These include Australian pacific touring, Travelmarvel, Botanica world discoveries, Antarctica flights, captain's choice and Travelglo

Technologies: Sitecore (CMS), ASP.NET MVC, C#, AngularJs, SQL Server, Visual Studio, Bitbucket, Octopus deploy, TeamCity, Akamai, Solr
- Obtained a Sitecore certificate for Sitecore 9.1
- Implemented a spam filter to prevent bots spamming forms with non-English characters
- Worked alongside developers and the API team to integrate and updated back-end payment system, thus allowing customer details to be entered directly into the new booking system without employees manually copying details, improving efficiency and error reduction by 20%
- Collaborated with a cross functional team of developers, content editors and testers to maintain and enhance six company websites
- Worked in an Agile environment, participating in daily stand-ups, sprint planning, and retrospectives
- Participated in code reviews with the senior development team to ensure quality of work output, and was given responsibility on a number of occasions to deploy the websites

Web developer Intern   **June 2018 - March 2019**
MVP Studio   Melbourne, VIC

An online trading platform for skills. Users can register their skills and guest users can search for the skills to exchange. This platform also provides the tools set to manage the appointments as well as a smart rating and feedback mechanism to give new users insights.

Technologies: ASP.NET MVC, C#, ReactJS, LINQ, SQL Server, Visual Studio, TFS, JIRA, Web services

- Created a ReactJS document to help new interns install and use ReactJS with ASP.NET MVC
- Supported new interns debugging code and fixing technical issues, whilst also providing training and development

Education

Master of Artificial Intelligence   **March 2023 - November 2024**
Monash University   Melbourne, VIC

- Collaborated in a cross functional team of 5 to develop an AI based SMS validation tool to detect scam messages, utilising phishing URLs, developed a web API for the AI to communicate to the website
- Had regular check-ins with the teaching staff to reflect on successes and challenges of the project, identifying areas for improvement and implementing changes to enhance project outcomes
- Core subjects: natural language processing, intelligent image and video analysis, machine learning, deep learning and Industry experience

Full Stack Web Development Certificate   **February 2022 - August 2022**
Monash University   Melbourne, VIC

- A 24-week intensive program focused on gaining and upscaling technical programming skills in web development. These include ReactJS, HTML5, CSS3, JavaScript, JQuery, Bootstrap, Node.js, MySQL, MongoDB, Express, Firebase and Handelbars.js
- Select projects can be viewed in my portfolio
- Took a leadership role within team projects, guiding team mates in debugging complex issues and providing mentorship on development best practices. Acted as the go to resource for troubleshooting and ensured successful delivery of team project

Computer Science Honours   **March 2017 - November 2017**
Monash University   Melbourne, VIC

- Research - Gibbs sampling to aid the solving of cryptic crosswords
- Created a GUI which reads a cryptic puzzle and allows the solving of a cryptic crossword using backtracking and Gibbs sampling to pick the most probable letter

Computer Science   **March 2014 - November 2016**
Monash University   Melbourne, VIC

- Achieved the highest mark in the unit `Games programming with C++' (92%)
- Achieved 2nd in an A.I. ant's challenge. Competed against 28 other students

Certifications

- AWS Cloud practitioner foundational (In-Progress, due for completion August 2025)

References

References available upon request