

## CONTACT

✉ shubham21197@gmail.com

☎ 0403773769

📍 Sydney, NSW

in <https://linkedin.com/in/shubham-singhal-s>

🌐 <https://shubhamsinghal.me>

## SKILLS

- Tensorflow
- Keras
- Sagemaker
- PyTorch
- Python
- R
- Spring Boot
- Hibernate
- SQL
- AWS
- Java
- Angular
- React/React Native
- JavaScript
- TypeScript
- SASS
- Git
- Docker
- APIGEE
- Stripe
- Salesforce
- Wordpress

# SHUBHAM SINGHAL

## ARTIFICIAL INTELLIGENCE AND FULL STACK ENGINEER

## SUMMARY

- Masters in AI and Bachelors in Computer Science.
- Over 3.5 years of development experience.
- Adaptable quickly, and organized well. Proficient in full-stack development and extensive experience with AI.
- Love to work on creative projects in free time and experienced in working with small and large teams.

## EXPERIENCE

### Full Stack Engineer | Digital Purpose

Apr 2022 - Present

- **Research:** Researching AI technologies such as OpenAI, Sagemaker, LLMs and custom models to provide cutting edge technologies to clients.
- **Frontend:** Accessible, Dynamic and Responsive frontend design with Angular, React and React Native.
- **Backend:** Scalable software and API development with Spring Boot and Hibernate.
- **Integrations:** Integrating the backend and frontend with various services such as Salesforce, Cognito, AWS, AMS and others.
- **UI/UX:** Worked with technologies like Figma to deliver a perfect user experience.
- **DevOps:** Deploying applications, load testing servers, debugging logs and optimising performance with AWS S3, EC2, Cloudfront, Sagemaker etc.
- **Testing:** Testing applications with Zephyr, Junit, Selenium and JMeter.

### Full Stack Engineer | Amadeus

Jul 2019 - Jul 2021

- **Frontend:** Worked on an enterprise-level portal using Angular and Drupal that could handle thousands of customers.
- **Backend:** Worked on microservice-based backend APIs, implemented in Spring and Hibernate.
- **API usage and billing:** Worked with APIGEE to implement billing and API quotas for customers.
- **App Security:** Performed regular audits and improvements to the code's security.
- **Maintenance and QA:** Fixed production and testing bugs and performed automated tests using Selenium.
- **Release Management:** Headed 3 quarterly releases to production, where I was responsible for delivery and quality assurance, along with various DevOps tasks.

# EDUCATION

## Master of Artificial Intelligence

Jul 2021 - Jul 2023

### Western Sydney University

Learning about the cutting edge AI and ML models while working on real-world projects involving generative AI.

## Bachelor of Computer Science

Jul 2015 - Jun 2019

### Manipal University

Learned about the fundamentals of Computer Science, ranging from basic concepts to higher level code design.

# PROJECTS & INTERNSHIPS

## Generative Image Model (BigGAN)

Jan 2023 - Jul 2023

### Student

- Developed a generative image model using BigGAN that involved producing high-resolution images
- The model included close to 90 million parameters
- This was done on the university's A100 GPU cluster.

## Dynamic chat application for Amadeus

Jan 2019 - Jul 2019

### Intern

- Developed a dynamic chatbot
- Designed the chatbot's capability to train any Confluence page
- Implemented dynamic creation and training of model instances for the chatbot

## Automating Deployments at Expecient

Feb 2017 - May 2017

### Intern

- Automated DevOps tasks
- Developed data center management applications
- Implemented load-balancing strategies
- Managed disaster recovery procedures

## FinTech Portal at Dion

May 2018 - Jun 2018

### Intern

- Designed and developed a FinTech portal
- Implemented live market views
- Created dynamic charts for data visualization