

# Saketh Getla

Software Engineer

I enjoy all things software



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sakethgetla.github.io

github.com/sakethgetla

## EDUCATION

### Computer Science

University of New South Wales

02/2019 - 02/2022

Sydney, Australia

Major

- Artificial Intelligence
- Machine Learning

## PERSONAL PROJECTS

Web development (01/2020 - Present)

- Portfolio website frontend with react. <https://sakethgetla.github.io>
- Dijkstra, Astar, Heuristic algorithm for path finding on React.js and Solid.js to compare speed.
- Deep QLearning Algorithm to make an AI to learn to chase and eat food.
- working with the MERN stack, Mongo, Express, React, Node.
- Backend of website with Express and SQLite to store profiles, products, likes, preferences etc.

Experiments with Tensorflow 2 and Pytorch (2019 - Present)

- visual representation of a Neural Network learning a sine curve in real time
- experiments with google Deep Dream and style transfer
- using a CNN as opposed to a simple NN on the mnist dataset
- mitosis detection and cell migration tracking from a video

semantic analysis (2020 - 2021)

- bi-directional LSTMs on product reviews to predict product ratings
- Glove 6B word vectors
- GPU acceleration

Neural Network from scratch (2018)

- simulates a logic gate such as AND gate OR gate etc
- made only using numpy in python

Gravity Simulation (2018)

- version 1 done in java version 2 done in python

## WORK EXPERIENCE

### Trainee Business Analyst

Macs Technologies

02/2021 - Present

Achievements/Tasks

- getting user stories from client
- writing Requirements
- using Agile Development strategies

## SKILLS

JavaScript

Solid.js

React

Node.js

Python

Express

PSQL

SQLite

Mongo

tensorflow-2

Pytorch

Flask

C++

Java

webrtc

## ACHIEVEMENTS

Achievement Name

## COMPETITIONS

UTS stuvac Hackathon (2018)

Java Developer, Team Captain, created a social media app between teachers and students.

GHFA under 21 football (2018)

2nd place

GHFA under 18 football (2016)

1st place

Zero robotics (2016)

top 20 in Australia, Team Captain

## INTERESTS

Machine learning

full stack web development

BJJ

fantasy / Sci-Fi books