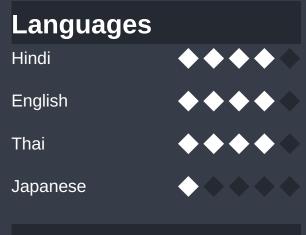# Saket **Khandelwal**

Data Scientist and Software Engineer

Address 68 Latrobe Street Melbourne VIC 3000 **Phone** +61435778218

E-mail saketdecade17@gmail.com **LinkedIn** linkedin.com/in/saketdecade17

GitHub @saket404

Determined and well-rounded engineering student pursuing a data science career with a can-do attitude whose objective is to solve real world problems. Has been exposed to many fields of software engineering with hands on experience in developing projects in those fields.

SKILLS

- Python, SQL, R, Javascript, NoSQL, Tableau, APIs

- Data Visualization, Machine Learning, Natural Language Processing, Artificial Intelligence, Deep Learning, Data Analysis, Numpy, Pandas, Scikit-Learn

- Git, Jira, Microsoft Office, Docker, Ansible

- Linux, Windows, Mac OS

- Interpersonal skills, Collaboration, Critical Thinking, Problem Solving, Presentation Skills

- Probability and Statistics

EXPERIENCE

01/2020 - 04/2020

Summer Research Intern

Melbourne Data Analytics Platform (MDAP)

- Assist in scope definition and planning for numerous research collaboration projects.
- Developed a Data Processing Pipeline using MongoDB, Elastic Search and python.
- Worked on large-scale social media text analysis using parallel-processing and Natural Language Processing.
- Implemented visualisation dashboards using Dash for social media network analysis.
- Developed a Machine Learning Pipeline to automatically extract information from legal judgements.

12/2019 - 04/2020

Data Science Intern

Reesby IOT Recruitment

- Collaborated with team members to develop a Candidate Recommendation System for Recruiters.
- Performed Layout Analysis on resumes to extract useful information (i.e.- Skills, Education, Experience).
- Used Elastic Search and MongoDB to optimize indexing of resumes for efficient querying.
- Used Word Embedding to discover similar skills rather than relying on the restricted space of keyword matching.
- Implemented an Unsupervised Learning (Clustering) algorithm to find similar candidates based on their skill set.

06/2018 - 01/2019

Software Engineer

aCommerce

- Developed data retrieval end point services (API) using the Django Rest Framework.
- Worked with tables from MongoDB/Postgres/sqlite databases with Python.
- Assist in scope definition and planning.
- Worked with automation build and deploy tools.
- Experience with agile environment, Git and Jira.

06/2017 - 08/2017

Assistant Researcher

National University of Singapore

- Visualized the effects of insider threats on complex network systems.
- Design and develop a visualizer for a mathematical model using Flask and Angular.

EDUCATION

03/2019 - present

The University of Melbourne

Master of Science, Data Science, WAM 81.3, (Anticipated November 2020);

- Excelled in Statistics, Web Search and Text Analysis and Statistical Machine Learning coursework.
- Implemented an automatic fact verification system for the Web Search course using Natural Language Processing techniques.
- Developed a Social Media Analytics Platform for Cluster and Cloud Computing course using Cloud, Docker, Ansible, Natural Language Processing and CouchDB.
- Performed an Elder Care site selection analysis using spatial analysis on ArcGIS for the Foundation of Spatial Information coursework

08/2014 - 05/2018

King Mongkut University of Technology Thonburi

Bachelor of Engineering, Computer Engineering, 3.51/4.00

- Excelled in Big Data, Software Engineering and programming coursework.
- Created a automated make file generator program for data structures coursework using C.
- Participator in a Kaggle competition, predicting shelter animal outcomes using Machine Learning.
- Completed a senior project to create a voice home assistant in Thai language. Used Natural Language Processing and Machine Learning. (National Software Contest Semi-Finalists)
- Participated in a Speech Contest, Futsal tournaments and Software Workshops.

08/2008 - 06/2014

American Pacific International School

High School Diploma, 3.5/4.00

Additional Academic Projects:

- Developed a Real-time Fraud Detection Framework using Spark and Hadoop framework. (Parallel Programming course)
- Developed a file transfer android application. (Soft. Engineering course)
- Large Scale Twitter user classification system hosted on Kaggle and was in the top 10 ranking. (Statistical Machine Learning course)

ADDITIONAL ACTIVITIES

03/2017 - 03/2017

GEN coursework

Volunteer Work

- Help organize games for disabled children at an orphanage
- Donated food and daily usage items.

07/2017 - 07/2017

Apparel Exhibition

Volunteer Work

- Help setup exhibition booth (women and jewelery booth).
- Help promote the booth in the exhibition.

REFERENCES

Dr Daniel Russo-Batterham | Research Data Specialist | Melbourne Data Analytics Platform, The University of Melbourne | +61403824444 | daniel.russo@unimelb.edu.au

Mohit Khandelwal | A.T. Kearney | Principal | +61417710605 | Mohit.khandelwal@atkearney.com