

Saket Khandelwal

Data Scientist and Software Engineer

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Languages

Hindi	◆◆◆◆◆
English	◆◆◆◆◆
Thai	◆◆◆◆◆
Japanese	◆◆◆◆◆

Tests

IELTS: 8 Overall

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 82.7, (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

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