

Saket Khandelwal

Data Scientist and Software Engineer

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Languages

Hindi 

English 

Thai 

Tests

IELTS: 8 Overall

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



SKILLS

- Python, SQL, R, Javascript, NoSQL, Tableau, APIs, Elastic Search
- Data Visualization, Machine Learning, Natural Language Processing, Artificial Intelligence, Deep Learning, Data Analysis, Numpy, Pandas, Scikit-Learn, Reinforcement Learning
- Git, Jira, Microsoft Office, Docker, Ansible, LaTeX
- 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), Melbourne, VIC

Responsibilities

- 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 to gain insights on gendered hate speech and domestic 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 to assist law practitioners using Machine Learning (Deep Learning, Heuristics, Word embeddings).

Accomplishments

- Experience working with researchers and professors in academia and writing a research paper which was accepted by Australian Language Technology Association (ALTA).

12/2019 -
04/2020

Data Science Intern

Reesby IOT Recruitment, Melbourne VIC

Responsibilities

- 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.

Accomplishments

- Developed a resume analyser system to aid recruiters in discovering candidates efficiently.

06/2018 -
01/2019

Software Engineer

aCommerce, Bangkok, Thailand

Responsibilities

- 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.

Accomplishments

- Creation of a new end-to-end seller management system.

06/2017 -
08/2017

Assistant Researcher

National University of Singapore, 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 -
12/2020

The University of Melbourne, Melbourne, VIC

Master of Science, Data Science, WAM 85;

- 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.
- AI Pacman Class Competition (Beating Uni Melb's staff's Top team) developing agents to capture opponent's food while defending your food using Reinforcement Learning (Q-learning, Mote Carlo Tree Search, Classical Planning, Heuristic Search Algorithms)

08/2014 -
05/2018

King Mongkut University of Technology Thonburi, Bangkok, Thailand

Bachelor of Engineering, Computer Engineering, 3.51/4.00

- Excelled in Big Data, Software Engineering and programming coursework.
- Developed a Real-time Fraud Detection Framework using Spark and Hadoop framework. (Parallel Programming course)
- 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:

- Created a automated make file generator program for data structures coursework using C.
- Developed a file transfer android application. (Soft. Engineering course)
- Large Scale Twitter user classification system hosted on Kaggle using Machine Learning (SVM, Logistic Regression, Word embeddings) and was in the top 10 ranking. (Statistical Machine Learning course)



REFERENCES AVAILABLE ON REQUEST