Sanchit Chawla | Resume

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A Computer Scientist who is highly skilled in Data Science and Software Engineering, with strong skills in Distributed Computing and Team Management.

Previous Employment

Agoda   **Bangkok**
Associate Software Engineer   *May 2019 - Current*

Piggipo   **Bangkok**
Data Scientist   *January 2019 - May 2019*

Worked on a Loan Default Machine Learning Model with Deep Neural Networks and Random Forests Hybrid Model which classified 46 % more default candidates hence reducing the total risk of the model. Developed a Debt Risk Model to measure the risk level of a user and provide insights to the business about each level of risk accordingly. Help developed a Data Visualization dashboard using Kibana to provide the business with insights about the application and as a result make smart data driven decisions.

CMKL University   **Bangkok**
Software Engineer   *September 2018 - December 2018*

Worked as a Lead UX/UI Engineer as a part of CMKL team for ETDA's Cyber Security Project. Made paper and interactive prototypes based on the user requirements and conducted usability tests accordingly. Conducted online stand up meetings twice a week and used Trello as a platform for progress tracking.

Mahidol Univeristy   **Bangkok**
Research Assistant   *September 2018 - December 2018*

Research done in collaboration with Toyota Tsusho. Focused on Computer Vision based techniques for drowsiness detection. Improved upon the existing model by adding another dimension of drowsiness tracking using emotion recognition which resulted in around a 10% improvement in precision over the baseline. Study included blink rate detection, emotion detection, head pose estimation and transfer learning.

BOL Digital   **Bangkok**
Part Time Software Engineer   *April 2018–June 2018*

Worked on an application called MatchLink which aims to provide loan services to SMEs (Small to Medium Enterprises).

Vbit Connection   **Bangkok**
Full Stack Web Developer Intern   *July 2017–September 2017*

Responsible for creating a web infrastructure for SCG Logistics using Angular JS and Spring Framework.

Education

Academic Qualifications

○ **Mahidol University International College** — Salaya, Nakhon Pathom
Computer Science — 2015–2018
Teaching Assistant for Introduction to Data Science

○ **Thai Sikh International School** — Bangkok
IGCSE — 2004–2014

Notable Projects

○ **Distributed Password Cracker:** *A highly parallel and distributed infrastructure to crack passwords using RabbitMQ and Redis.*

○ **Scala-kit:** *'A scikit learn type Machine Learning Library for Scala'*

○ **Bitcoin Price Prediction Using Sentiment Analysis** *Predicted the closing price of each day with historical data and sentiment data from popular crypto news outlets using LSTM Networks.*

○ **J.A.R.V.I.S. Security System:** *A security system which uses facial and voice recognition in order to grant access to the user.*

Technical Skills

○ **Programming Languages:** Proficient in: Python, Scala, Java, JavaScript, C++

○ **Other Technologies:** Proficient in Version Control (Git), React and Vue JavaScript Framework, Tensorflow, Keras, Google Firebase, Google Cloud Platform, RabbitMQ, Redis, Spark, Spring Framework, Dask, Elastic Search, Kibana

Hackathon(s)

○ **Finalist** for Data Science Hackathon 2018 by RISE