

## Contact

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github.com/PankajB1997 (Other)

## Top Skills

Java  
Microsoft Office  
JavaScript

## Languages

English (Full Professional)  
Hindi (Full Professional)

## Certifications

Web Development Foundations:  
Full-Stack vs Front-End  
Javascript Essential Training  
Javascript and AJAX: Integration  
Techniques  
HTML Essential Training  
Learning Universal Windows App  
Development

## Honors-Awards

Science and Technology  
Undergraduate Scholarship  
Award For Academic Excellence  
INSPIRE Scholarship

# Pankaj Bhootra

Computer Engineering Student (Final Year) at National University of Singapore

## Summary

I am a Final Year Undergraduate student, pursuing Computer Engineering at National University of Singapore, expecting to graduate in May 2019.

Enthusiastic and motivated, I have been involved in several projects over the past couple of years which have improved my skills in technologies such as Python, JavaScript and SQL and also taught me important life lessons of leadership and team work. I am passionate about Machine Learning, Web Application Development and Database Management. Lately, I have also picked up a keen interest in Deep Learning and Natural Language Processing with several projects where I have worked with datasets such as human movement, news data, job descriptions and projects related to chatbots and several classification problems. I am passionate about working on data-driven software solutions that leverage on latest advancements in data science, data analytics and warehousing.

Check out my coding projects on GitHub: <https://github.com/PankajB1997/>

Please refer to my profile below for further details.

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## Experience

### SAP

Machine Learning Research Intern  
June 2018 - August 2018 (3 months)  
Singapore

- Worked on a Document Matching problem, leveraging NLP and Deep Learning
- Trained and optimized Machine Learning models to solve a sentence classification problem, aimed at performing better document matching.

Performed feature engineering and regular tests in the end to end pipeline to optimize accuracy

- Worked on data sourcing alongwith tokenizing and cleaning the same using various techniques such as stopword removal, morphy and lemmatizing
- Skills learnt: Python for Machine Learning, Scikit-learn, Keras, Gensim, and NLP techniques such as TF-IDF and Word2vec

## Autodesk

Software Development Intern (AutoCAD Windows Mobile)

July 2017 - December 2017 (6 months)

Singapore

- Developed a website with a scalable architecture to monitor various user analytics of the AutoCAD Mobile App. Worked on key features and was responsible for deployment and site reliability.
- Technical learning: HTML5, Bootstrap3, JavaScript, MongoDB, ExpressJS, NodeJS, front-end APIs to implement key features, developing configurable websites, setting up a simple node server and writing REST APIs to make server-side HTTP requests (JSON over HTTP/RESTful interfaces), using NodeJS APIs such as Moment, NodeMailer and Slackbot to set up an automated alerting system.
- Non-technical learning: Extreme Programming (daily standups, weekly planning meetings, presentations, etc.), Project Management using JIRA.
- Participated in the quarterly Hackathon (aka Pick-your-task activity), as part of which, I built a Membership and Events Web Application using MongoDB, ExpressJS, NodeJS and following MVC design pattern.
- Implemented file search in AutoCAD Mobile App (UWP version) using C# and XAML and following the MVVM Design Pattern. All code was reviewed, perfected and pushed to production.

## National University of Singapore

Teaching Assistant

January 2017 - May 2017 (5 months)

Singapore

- Conducted lab sessions for CS1020: Data Structures and Algorithms, one of the fundamental computer programming courses in NUS, taught in Java
- Prepared powerpoint slides as solutions for various lab assignments
- Marked students' programs and conducted consultations from time to time

## Anacle Systems Limited

Software Engineering Intern

December 2016 - January 2017 (2 months)

## Singapore

- Worked as an SSRS/SQL developer, creating new reports and performing maintenance of existing reports
- Designed RDL reports in Microsoft Visual Studio based on standards set forth for report formatting
- Added a new functionality to Anacle's flagship software product, Simplicity, as part of the hands-on training exercise, using C#, ASP.NET and SQL

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## Education

### National University of Singapore

Bachelor's Degree, Computer Engineering · (2015 - 2019)

### ETH Zurich

Bachelor of Engineering - BE, Computer Engineering · (2018 - 2018)

### The Hong Kong University of Science and Technology

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### Don Bosco High & Technical School, Liluah

High School, Science · (2002 - 2015)