

Sankalp Thakur

Santa Clara, CA 95053

sthakur2@scu.edu, 669-204-9906, <https://www.linkedin.com/in/sankalp-thakur/>, <https://github.com/sankalp2610>

EXPERIENCE

NFP Corp.

Austin, Texas

Data analyst intern

June 2019

- Took lead analyzing and identifying drivers of high performance, expected to provide 80% increase in hiring efficiency.
- Automated quarterly reports and dashboards, generating uniformity and saving 64 executive workhours each year.
- Developed an optimized search tool for finance department that scrapes multiple excel files.

Cognizant

Pune, India

Data Analyst

Feb 2018

- Created Talend jobs to perform contract analysis improving efficiency by 75%.
- Automated Oracle PL/SQL packages into jobs using Talend Data Integration reducing cost and effort.
- Analyzed and cleansed around 60-70% of inventories present on contracts and inserted 24,000 price lines to correct missing and/or incorrect inventories.

SN Laser Strike

Bhopal, India

Founder

Mar 2015

- Manufactured laser tag technology in house and organized events in India's top colleges becoming India's first ever company to do so.
- Managed a team of 32 to successfully organize India's first ever laser tag game in a mall at C21 mall, Bhopal.
- Worked on RnD, procurement, event management, negotiations, marketing, business development and finance for SN Laser Strike, generating 700% return on investment with 5000+ players and 16 events.

ACADEMIC PROJECTS

- **Stack overflow survey analysis:**
 - Implemented classification, regression and clustering to analyze patterns predict the salary of the developers based on their skill set using Scikit-learn.
 - Achieved data visualization on cleaned and analyzed set of data after gathering insights about the respondents of the survey using python libraries such as NumPy, Pandas and Seaborn.
- **Facial expression detection:**
 - Conducted facial emotional analysis of 35887 pre-cropped, 48-by-48-pixel grayscale images(FER2013) classified into 7 emotions.
 - Developed 9 layer deep convolutional neural network using keras and tensorflow reaching up to accuracy of 76.7%.
- **Construction data management:**
 - Developed a RDBMS optimized to provide analyzed profits and detailed individual performance for real estate company.
 - Implemented security triggers and restricted views to ensure data integrity.
- **Image recognizer web application:**
 - Deployed keras model with Flask as web framework, highly customizable using pretrained models such as ResNet, MobileNet.
 - Accuracy of upto 76% can be reached and be deployed on local host.
- **Pokemon generator:**
 - Scraped all the Pokemon images from an online Pokemon Pokedex and indexing them by number.
 - Applied image augmentation to boost the performance of the network.
 - Generated new pokemons using Wasserstein GAN with Gradient Penalty for 10 epochs of batch size 32.

EDUCATION

Santa Clara University, Leavey School of Business

Santa Clara, CA

Master of Science in Information Systems

June 2020

- Relevant coursework: Big Data Modeling and Analytics, Machine learning, Database Management Systems, Data Science with Python, Business Intelligence and Data Warehousing and Deep learning.
- Appointed as Teaching Assistant for Computer Based Decision Modelling and Object Oriented Programming.

Rajiv Gandhi Proudhyogiki Vishwavidyalaya

Bhopal, India

Bachelor's in computer engineering

May 2017

- In a team of two won the C-Programming event "Code in Nerves" during Central India's Largest Technical Fest: Techno-search at MANIT, Bhopal.
- Coordinated a language free programming event in annual fest: Planet Engineers of LNCT, Bhopal which received a participation of 270 + students making it the biggest event at fest.

TECHNICAL SKILLS

- Languages: Java, Python, R, SQL, PL/SQL
- Databases: MySQL, Apache Spark, PostgreSQL, Oracle 11g, Microsoft SQL Server, MongoDB
- Tools: Tableau, Google Analytics, PowerBI, Erwin, Pentaho, Qlik, Talend, IntelliJ, Eclipse, NetBeans, Advanced MS Excel
- Algorithms : Regression, clustering, random forest, CNN, RNN, decision trees ++