



# Suraj Vishwas Bhor

## Details

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## Links

[Github](#)  
[LinkedIn](#)

## Certifications

C and C++ Programming, IIT  
Bombay, FOSS  
  
Scientific Computing with  
Python, IIT Bombay, FOSSEE  
  
Salesforce Cloud Application  
Developer  
  
Google Cloud Professional Data  
Engineer (Coursera)  
  
Deep Learning Specialization  
(deeplearning.ai)

## Skills

Programming Languages:  
C, C++, Python, Java,  
HTML5, CSS, JavaScript, Bash  
Programming, Matlab, R

Databases:  
MySQL, PostgreSQL, Apache  
Cassandra, Google BigQuery,  
Google BigTable

Frameworks and Libraries:  
NLTK, Apache Lucene SOLR,  
Apache Hadoop

Machine Learning and Deep  
Learning frameworks:  
Scikit Learn, Tensorflow, Keras,  
PyTorch

Debugging Tools:  
Valgrind, GNU Debugger (GDB)

## Employment History

### Data Analyst, Association for Socially Applicable Research (ASAR), Pune

AUGUST 2020 – PRESENT

- Streamlined various data engineering pipelines such as importing, inspecting, cleaning and transforming collection of medical datasets for data analysis and visualization.
- Currently working with interdisciplinary teams consisting of students from medicine, economics, and public policy to implement models for analyzing and creating indicators for surgical care in rural and tribal areas of India.

### Senior Software Engineer, RackWare Inc, Pune

JULY 2018 – SEPTEMBER 2021

- Built the Z File System (ZFS) modules in the mainline Linux kernel using the kernel-devel packages so as to make ZFS primary for storing OS images along with its metadata.
- Revamped the logic of product installation which reduced the installation and configuration time on Linux servers by ~30% and also improved the product user experience in entirety.

### Product Development Fellow, Hasura Inc, Bengaluru (Remote)

DECEMBER 2017 – FEBRUARY 2018

- Designed a conversational chatbot using Google's Dialogflow API which could make continuous conversations and created an end-to-end application with React frontend and Python-Flask backend.

### Project Intern, Dell EMC, Pune

AUGUST 2017 – JUNE 2018

- Developed a Java SDK through which integrated virtual appliances could be deployed on the open-source KVM hypervisor. Also, modified the available open-source libvirt API to make multi-threading possible for logging and analytics of the system-wide events happening on the hypervisor.

## Education

### MSc. Quantitative Data Science Methods, University of Tübingen, Tübingen

OCTOBER 2021 – PRESENT

### Bachelor of Engineering Information Technology, University of Pune, Pune

JULY 2014 – JULY 2018

Grade Point Average - 3.62 / 4 ( German Grade: 1.4)

## Selected Projects

### Content-based Image Retrieval

- Modeled a multi-class multi-label image classifier (CNN) for the Indian Space Research Organization (ISRO) for the classification of satellite images into different categories with an accuracy of approx. 95%. Also, developed a complete content retrieval application for fetching images based on its content with PostgreSQL as a database backend.

### Unsupervised Learning Based Project Guide

- Implemented natural language processing algorithms using NLTK for creating clusters of similar domain projects and also displayed visualizations of these clusters using the d3.js library which aided students and professors from the department to search for past projects and research papers using keywords.