

NIKHIL K. KHANEJA

DATA SCIENCE AND IOT ENTHUSIAST

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PERSONAL PROFILE

I am an engineering student pursuing my bachelor's in the field of Computer Science and Engineering at PES University, Bangalore. A technophile, solution-oriented computer scientist, Data Science and IoT enthusiast, eager and curious to try out new things and find a better and efficient way out of the given situation.

ACADEMIC PROFILE

PES Institute of Technology

July 2017 - Present | Bangalore

Bachelors in Computer Science and Engineering with an aggregate CGPA of 8.6

Prakash Higher Secondary School

May 2006 - April 2017 | Ahmedabad

Graduated Higher Secondary School with 90.8% and 10th standard with an aggregate CGPA of 9.2

SKILLS AND SPECIALIZATIONS

- Data Science and Machine Learning
- Internet of Things (IoT)
- Languages:
Python, C Programming, C++, MATLAB
- Core Skills:
Web Design and Frameworks (HTML5, CSS3, JS, Django, Fusioncharts)
Machine Learning
Tableau (Data Analysis and Visualization)
Computer Vision (OpenCV and Tesseract OCR)
Hardware (Arduino and Raspberry PI)

CERTIFICATIONS

- Data Analysis with Python on [Coursera](#) taught by John Doe, IBM
- Data Visualization with Python on [Coursera](#) taught by John Doe
- Applied Plotting and Charting on [Coursera](#) taught by John Doe
- JP Morgan Chase and Co. Software Engineering Virtual Experience on [InsideSherpa](#)
- Raspberry PI, full stack Raspbian on [Udemy](#) taught by Dr. Peter Dalmaris

HOBBIES AND INTERESTS

- Sketching and Painting
- Swimming
- Football

WORK EXPERIENCE

Machine Learning Intern

[EXTENSUS SOLUTIONS PTE. LTD. \(Singapore\)](#) | August 2020 - Present

Working on producing a full fledge Machine Learning applications using libraries such as PyTorch and Tensorflow and deploying the application on AWS Servers.

Data Science Intern

[EINSEHEN INC.](#) | April 2020 - July 2020

Worked on producing real-time analytical Dashboard solution as a Data Science Intern

- Built a full stack Dashboard using open-source Fusioncharts-a Javascript Library for Data Visualization.
- Performed Data Cleaning and Filtering, Data Analysis using Scikit-learn, Pandas and Numpy.
- Used Django as a backend support for the front built using HTML5, CSS3, Javascript and hosted on an Apache Tomcat Server.

PERSONAL PROJECTS

Pothole Detector and Predictor

November 2018 - April 2019

A smart application prototype used to detect the potholes and predict there intensity and uses a online database and dashboard to visualize the data. Built an android application which integrates heat maps to visualize the potholes using the geo-coordinates

Finger Vein Recognition System

September 2019 - January 2020

A smart application using extraction of vein patterns using infrared imaging and using extracted vein patterns as an advance biometric techniques to replace the conventional techniques.

Movie Genre Prediction using Multi-label Classification

June 2020 - July 2020

A smart application using extraction of vein patterns using infrared imaging and using extracted vein patterns as an advance biometric techniques to replace the conventional techniques.

License Plate Recognition using OpenCV, Optical Character Recognition Techniques and Computer Vision

February 2020 - April 2020

Sign Language Recognition using OpenCV, prediction of the text corresponding to the sign language using MNIST Database

August 2020 - Present

PUBLICATIONS AND ACHIEVEMENTS

- Paper titled [Pothole Detection and Prediction using Sensors and Machine Learning](#) showed an illustration of a proposed system for detecting potholes. The paper got selected for International Conference CNC2020 hosted by The IDES and was supposed to be held in Bengaluru in March 2020.
- Winner of IoT Hackathon hosted by Cisco India at RV College of Engineering, Bangalore
- Winner of SLAC fest hosted by Amrita School of Engineering, Bangalore