



SIDDHARTH SHANKAR

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Analytical professional with 2+ years of work experiences in managing day to day operational and technical aspects of the project along with data extraction, compilation, analysis and reporting at a cyber security firm. A detail-oriented organised individual with a background in Statistics coupled with Software Engineering and PC Technician A+ certifications will make me a positive asset to your organisation.

 LinkedIn <https://www.linkedin.com/in/sshankar7>
 GitHub <https://github.com/Sshankar7>
 Kaggle <https://www.kaggle.com/sshankar7>

KEY SKILLS

- Python, Flask, SQL, Web Scraping [Python Request Library, Selenium]
- EDA [Pandas, NumPy, Matplotlib, Seaborn, ScikitLearn], Machine Learning [Supervised & Unsupervised]
- Data Visualization using Tableau, Web Development [PHP + MySQL, HTML5 + CSS3, WordPress]
- MS-Office including MS-Access, Debugging & Troubleshooting, Open Source Intelligence (OSINT), Servers, PC's, Routers Configuration and Deployment

EXPERIENCE

Internship, HSBC EDPI

February 2020 – August 2020

- Transformed MS-Access and MS-Excel based tools into Python CLIs which resulted in the reduction of processing time by approximately **85%**
- Built and deployed a custom Flask App for onboarding multiple dashboards written in python (scripts) which includes authentication mechanism, error logging functionality and admin panel
- Automated reporting process to generate email drafts for outlook using python

IT Consultant, KAUSHALYA Foundation (NGO) - Freelancing

May 2018 – June 2019

- Redesigned and managed the website for Kaushalya Foundation [www.kaushalyafoundation.org]
- Built and managed MIS on PHP & MySQL for internal use
- Gathered the ICT requirements of the organisation, developed the process flow diagrams and other visuals and communicated the same to the development team
- Evaluated and tested products or technologies of different vendors and recommended the best-suited for the organisation
- Organised training for Farmers and other team members and also assisted with the planning of events and workshops
- Created training manuals and presentations in Hindi & English for app usability for farmers
- Supported and troubleshooted hardware and software issues

Team Lead cum Social Network Analyst, SecLabs & Systems Pvt. Ltd.

April 2016 – May 2018

- Supervised, trained and lead a team of 5-7 members involved in daily operations
- Served as a core team member
- Identified and developed processes for analytics ensuring the integrity of data, including extraction, processing, storage and manipulation analysis
- Wrote scrapers primarily in python for data extraction from various online sources or files for analysis and visualization
- Developed and implemented techniques for data sanitization using MS Excel/LibreOffice, python snippets etc. based on the requirements needed for analysis and visualization
- Generated monthly analytical report, VAPT reports, company proposals and other documentation
- Responsible for daily monitoring of the applications running on server and data storage facility
- Performed technical and supervisory level duties that include overseeing, coordinating and managing company-wide IT activities which involves troubleshooting complex server, VPN, hardware and networking issues/problems and setup and configuration of various company-wide IT requirements
- Additionally, managed hardware and software inventories including detailed records of inventory use, software expiration etc. and advised management on ordering where necessary

Achievements

- Twice Employee of the Month
- Twice Bonus for working beyond duty hours and taking the action

ACADEMIC PROJECTS

- **Predict Online Shoppers Purchasing Intention [Team Project]**

Description: The aim of the study is to evaluate the actions taken by the visitors on ecommerce environment in real time and predicting the visitor's shopping intent using aggregated pageview data track during the visit along with some session and user information

Key Skills: Exploratory Data Analysis, Handling Imbalance Class, Gradient Boosting

- **Predict the Price of Books [MachineHack Competition]**

Description: Using the dataset of books of different genres, from thousands of authors to build a Machine Learning model to predict the price of books based on a given set of features

Achievement: **Ranked 29** out of 125 Submissions at the end of the competition with the score of **0.754593**.

Key Skills: Exploratory Data Analysis, Web Scraping for Missing Values Imputation, Feature Engineering

- **No-Show Appointment Dataset**

Description: Analyse the data associated with the medical appointments in Brazil and build a model to predict whether or not patients show up for their appointments. Also, find the factors that were important for us to know in order to predict if a patient will show up for their scheduled appointment.

Achievement: Scored an accuracy of 0.9072 with feature engineering.

Key Skills: Exploratory Data Analysis, Feature Engineering, Logistics Regression

CERTIFICATIONS

Name	Institute	License
Machine Learning with TensorFlow on Google Cloud Platform Specialization	Coursera (Online)	RB63B6VXK7RC
Data Analyst Nanodegree (DAND)	Udacity (Online)	-
Python for Everybody Specialization (5 Courses)	University of Michigan on Coursera (Online)	4WKB2WLTx3M6
Certificate Course in PC Technician A+	NIIT Ltd.	15CFZZZZ0424
Developing Applications with MySQL and PHP	NIIT Ltd.	15ACZZZZ1022
Programming in C	NIIT Ltd.	14DUZZZZ1125

EDUCATION

Course	Institute	Year	Remarks
Post Graduate Programme in Data Science and Engineering (PGPDSE)	Great Lakes Institute of Management, Gurugram	2019	-
GNIIT (Software Engineering)	NIIT Ltd., Patna	2016	Grade 'A'
Bachelor of Science (Statistics Hons.)	Bihar National College, Patna	2016	66.75%
12 th Std	Holy Mission Secondary School, Patna	2013	65.80%
10 th Std	Adelaide Convent School, Patna	2011	9.4 CGPA

ACHIEVEMENTS

- **Launched** the '**FPO/Farmers Connect**' **Mobile App** at a One-day Workshop on "Transforming Economies of Pulse Farmers Through Producers' Collectives" at Nawada, Bihar on September 26, 2018, organised by KAUSHALYA Foundation in association with Lutheran World Relief (LWR)
- Organising Member at Inauguration Ceremony of Modern Agri Mandi (Bochaha Mandi, Muzaffarpur, Bihar) held on July 19, 2018, which is constructed under Syngenta ICLEAN initiative
- Organising Member at 3rd Bihar Entrepreneurship Summit held on March 21, 2016, which is an initiative of Bihar Entrepreneurs Association and Govt. of Bihar to build the bridge between Entrepreneurs from Bihar and Investors
- **Speaker** at **THE LEET HACKING CONFERENCE** and presented a paper and prototype model on '**IOT – Smart Street Light**' held in October 2015 at Hotel Maurya, Patna
- **Quarter-Finalist** at **Empresario** Competition held at **IIT-Kharagpur** in 2015
- Organised an event called Code-A-Thon, 2015 in partnership with NASSCOM for Start-ups
- Team Leader (TL) for the development of ASP.NET MVC based E-commerce website BOOKHIVE at NIIT, Patna