PERSONAL INFORMATION	Tushar Sadana

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JOB APPLIED FOR Intern as Developer

WORK EXPERIENCE

05/2018–06/2018 **Intern**
National University of Singapore, Singapore (Singapore)
Academic Internship in Big Data Analysis and Deep Learning.

12/2017–01/2018 **Intern**
Association of Indian Universities, Delhi (India)
Website Developer Intern
Redesigning Website
Developing Website
Maintenance of Website

08/2018–Present **Chairperson**
Association for Computing Machinery Student Chapter, MUJ, Jaipur (India)
Managing the technical club
Student-Teaching-Student Program
Hosting technical events and workshops
Trained 140 students in Advanced Python and Machine Learning

11/2017–Present **Intern**
Exploration & Analysis of Information Society, Jaipur (India)
Website Developer

8/2017-10/2017 **Team Leader**
Oneiros'17, Cultural Festival of Manipal University Jaipur, Jaipur
Android Application - Website Developer

EDUCATION AND TRAINING

05/2018–06/2018 **Trained in Big Data and Hadoop System Administration**
Hewlett Packard Enterprise, Singapore (Singapore)
Big Data
Hadoop
Spark
Cloud Era

08/2017–11/2017 **Trained in Data Science**

Forsk Labs, Jaipur (India)

- **Python**
- **Numpy**
- **Pandas**
- **Matplotlib**
- **Developing modules based on machine learning**
- **Data pre-processing**
- **ScikitLearn library to perform Regression, Classification, Clustering and Association.**
- **REST APIs for getting JSON data and web scrapping**

24/04/2018–26/04/2018   Login and Registration from Scratch with PHP and MySQL
Udemy, Online (India)

PHP

MySQL

RESEARCH WORK

24/02/2018–25/02/2018   Spam Messages Detection Using Machine Learning and Natural Language Processing
Presented in IEMIS 2018, Kolkata, West Bengal, India

02/06/2018–03/06/2018   IoT based Navigation for Visually Impaired using Arduino & Android
Presented in ICCDN 2018, Gangtok, Sikkim, India

19/10/2018–21/10/2018   Handwriting Analysis Using CNN
Accepted in ICECNS Panaji, Goa, India

ACHIEVEMENTS

22/12/2017–23/12/2017   Best Poster Award on Spam Messages Detection Using Machine Learning In International Conference On Intelligent Communication And Computational Techniques
Manipal University Jaipur, Rajasthan, India

05/2018–06/2018   Rank 1 in Multilingual - Multilabel Text Classification Kaggle Competition
Manipal University Jaipur, Rajasthan, India

PROJECTS

03/2018–Present	**IoT based Navigation for Blind People**

An IoT hardware product which helps blind people to navigate. Indoor Atlas was used to train the internal map of the college. Ultrasonic Sensors and Gyroscope where used to detect obstacles and tell the right direction to move. Moreover, for outdoor Computer Vision was implemented to detect moving vehicles and warn the person with the distance of the vehicle from the person.

06/2018	**Multilingual - Multilabel Text Classification**

A dataset of about 400,000 feedbacks were used to train the model. The feedbacks were in different languages likes Chinese, Korean and Japanese and 3 labels were there. The model was created on CNN and model was trained. This project was given by Dr. Wang Wei from NUS in the internship.

08/2018–10/2018	**Convocation MUJ**

A web application based created by using HTML, CSS, JS, AJAX, PHP and MySQL. This is a portal for the students of Manipal University Jaipur where they can register themselves for convocation and pay. Further there is an admin panel where total number of count of students on any day out of 2 is shown, with student's detail update facility and finance confirmation with option to download the csv of student's detail.

06/2018–08/2018	**MUJ Connect**

A mobile application on android used to integrate all the clubs and events of the college and take their registration at one place with managing the finance and sending them a confirmation email.

01/2018-04/2018	**Social Networking Site**

A Social Networking Website in development using HTML, CSS, JavaScript, JQuery, PHP & MySQL.

08/2018–10/2018	**Attendance Management System on Android**

An Android Application was created to handle attendance in ACM Student chapter Manipal University Jaipur. Students can mark their attendance by either scanning their QR code on the ID card or entering their college registration number. There are different portals for different classes or courses each with login id and password. There is an option to take the attendance in any seminar which can be created dynamically, and all the attendance can be marked. Application was created using Java and XML while Firebase was used as the DBMS.

09/2017–12/2017	**Spam Messages Detection Using Machine Learning**

Python was used to create the module with different libraries of python like Scikit Learn, Pandas and Numpy.

11/2017	**Website for EAI Society**

A website for EAI Society was developed to manage all the memberships and payments. Members could avail Education Videos and E-books. HTML, CSS, JavaScript was used to develop the website while Firebase was used as the DBMS.

PERSONAL SKILLS

Mother tongue(s)	Hindi

Foreign language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
<u>Common European Framework of Reference for Languages</u>

Communication skills	I in the capacity of the Chairperson of MUJ ACM-SCHAP have had a lot of experience interacting with large amount of student crowd in my college. I've mentored multiple classes organised by my club and have addressed multiple ceremonies.
	I've also participated in multiple debate competitions and MUNs in my school life and have excelled through multiple Group Discussions in interviews.
	Being a part of Manipal University Jaipur's literature society, I improve and work on my communications skills each day.

Organisational / managerial skills	I have a natural leadership instinct which has always led to the best possible output.
	Currently the chairperson of the most prominent technical club of my college, ACM-SCHAP which has 550 students enrolled and a working committee of 80 people.
	Convener for the technical fest 'Elicit 2018' held in my college.
	Currently working as the Advisory for the Blood Donation Camp of my college since two subsequent years.

Job-related skills	**Programming Languages: Python, C, Java**
	Development Platform: HTML, CSS, JavaScript, PHP, MySQL, Firebase, Android App Development
	Data Science: Machine Learning, Deep Learning, Natural Language Processing, Hadoop
	UI/UX – Design: Adobe Photoshop, Illustrator

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

<u>Digital skills - Self-assessment grid</u>

NIIT - Infoedge

Proficient user of

- Git
- Microsoft Office
- Linux
- Google Firebase
- Microsoft Azure