Saahil Chadha

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Experience : 9 years in software development in large high quality applications using full stack and Machine Learning.

**Technologies and Experience**

**Python & Django**

I am having rich experience in developing large scale applications in Python & Django with MySql and Postgres.

***Machine Learning & Data Science***

Having good experience in using Machine Learning algorithms for supervised and unsupervised learning. Classification and Regression, Linear Models, k-Nearest neighbours, Naive Bayes classifiers, Uncertaininty Estimates, Model evaluation and Improvement.

Having good experience in Pandas, NumPy, plotly.

**React.js & ES6**

Having vast experience in React.js library and ES6 for the frontend. good experience in Hooks, class component lifecycle methods, Redux for single state management, promises

**PHP 7, PHP 5, Laravel, Cake PHP**

Having vast experience in PHP 7, PHP 5, Laravel in application development using Eloquent, query builder, Queues, Events, console, generators, closures, Cake PHP as a full stack, custom component building, custom helpers

**Database Engines & SQL**

Good experience in MySql, Postgres, writing SQL queries, joins, sub queries, stored procedures, transactions

**Algorithms & DataStructures**

Good experience in writing optimized & efficient algorithms with O(1) , O(n), O(log n) complexities

*Technical Skill Set*

1. *Backend Technologies:* 
   1. *Python 3****,*** *Python 2, Django 3, Django 2*
   2. *PHP7, PHP5, LARAVEL, CakePHP, Codeigniter*
   3. *Database Engines : MySQL, Postgres*
   4. *SQL*
2. *Frontend Technologies:*

* *React, ES6, jQuery, HTML5 Semantic and APIs, Bootstrap, CSS3, JAVASCRIPT, HTML, CSS*

1. *Machine Learning: Machine Learning using Python, TensorFlow, Sci-Kit learn, NodeJs.*
2. *Web Services : AWS EC2, S3 using Boto Python, PHP*
3. *Project management & Deployment : Jira for project management process, Git for version control, Trello for Project Meanagement*
4. *OS : Linux, Windows. Good experience in Linux Command Line.*

**Current** :

*Senior Software Engineer at Softobiz Technologies (p) Ltd. Chandigarh (since Jun 2020 )*

Projects :

PumpFlo : Science Simulation project for Mining and Pump Industry

URL : <https://pumpflo.symple.co.in>

Technologies Used : Python, Django, Applied Physics, Mathematics, Machine Learning, Plotly, Postgresql, React.js, ES6

I have used Machine Learning and Applied Physics heavily in the project for pump efficiency, power, NPSHr and head calculations.

Microsoft App builder

Application builder for Microsoft, I made the Artificial Intelligence module using TensorFlow

Technologies used : Machine Learning, TensorFlow, JavaScript, NodeJs, PHP

Used TensorFlow for object classification and detection.

Vewbie : wowza streaming project for live streaming.

Technologies used : PHP, AWS S3, WOWZA

CouponCode.In : Ecommerce product for utilizing coupons available for shopping.

Technologies used: PHP, MySQL, JavaScript, Ajax

**Previous Work:**

NiSG (May 2016 - Jun 2020)

NiSG is a Public & Private Partnership company, headquartered at hyderabad and branch office in New Delhi, CGO complex.

I was deployed at Ministry of IT & Telecommunications, Govt. of India.

Worked in the core team of Digital India for Digital India Projects, which is a flagship program of Indian Govt.

Designation: Software Developer

Work Profile: To develop Web Applications for Digital India.

I had worked on various big Products of Digital India during my 4 years tenure there. I was a fullstack developer there and worked on feedback system of Indian govt., UMANG app, volunteer management system portal for India, GCCS, Digital Pathshala.

Projects I have worked in Digital India:

(1) <https://ras.gov.in> :

Technologies used in backend: Python, Machine Learning for Reports, PHP, MySQL

Technologies used in frontend: React.js, Bootstrap, Ajax, CSS

About Project :

RAS is a rapid assessment system which takes feedbacks from citizens of India on various central and state level govt.services. It has different Report components, Dashboards for data analytics. I have used Python in Reports and CakePHP + JavaScript for Dashboards.

Role and responsibilities in a project:

Application Developer.

(2) UMANG JIO Services :

Technologies used: React JS, Flux, GIT

About Project:

UMANG Jio App is being used by JIO phone using kaiOS. The frontend for UMANG on JIO has been made using React JS.

Profile in project:

Frontend Developer : To develop services of UMANG using React.js

(3) <http://digisevak.gov.in> :

Technologies used in backend: PHP, Laravel, Python, Machine Learning, MySQL

Technologies used in frontend: jQuery, Bootstrap, Ajax, CSS,

About Project :

DigiSevak is a volunteer management system which connects citizens of India with Govt. It is quiet a big project with having features like Social networking, Redeem Rewards, Polls, Reports, Dashboards, OTP, SMS,Surveys . I used PHP, Python in the backend. PHP for Social networking, Polls etc, Python for data analytics.

Currently there are nearby 2 lakh registered volunteers on DigiSevak.

Profile in a project: Application Developer, Project Lead

(4) [GCCS](https://gccs2017.in) :

Technologies used in backend:

PHP, Cake PHP, MySQL

Technologies used in frontend: React.js, CSS, jQuery, Bootstrap, Ajax

About Project:

This application was made for Global Conference on Cyber Space organized by Govt. of India in November 2017.

Profile in the project:

Application developer. Developed complete Event module in the project.

(5) [https://feedback.rajasthan.gov.in/](http://feedback.rajasthan.gov.in/)

Technologies used in backend: PHP, CakePHP, MySQL

Technologies used in frontend: React.js, jQuery, Bootstrap, Ajax, CSS

About Project :

RAS – Rajasthan is a rapid assessment system which takes feedbacks from citizens of rajasthan on various state level services for Govt. of Rajasthan.

Profile in project:

Application developer.

(6) University Workshops Portal for Digital Pathshala programme of Govt. Of India:

Portal was made for Digital India workshops in all govt. universities in India.

Technologies Used:

Python, MySQL, BootStrap, Ajax, jQuery

Role and responsibilities in project:

Team Lead, Application developer.

Trainings :

(1) 2 weeks React JS training for kaiOS at Reliance JIO head quarters at navi mumbai.

(2) 1 day training at Google Gurgaon for AI.

Technical Presentations:

* GOA govt. at Panjim for digital pathshala in 2017
* African union commision head quarters, addis ababa, Ethopia 2013
* IIIT Bhubneshwar 2013
* Sony India, bengaluru 2014

*Achievements*:

1) I have given corporate training at Head quarters of African Union Commision at Ethopia in PHP, MySQL and worked on their Web Application in 2013 in Ethopia.

(2) Developed and integrated feedback assesment project at vidhan sabha karnataka, bengaluru in 2017.

(3) Developed and integrated feedback assessment project for Rajasthan govt. in 2016.

Education:

M.Tech in Software Systems From BITS Pilani.

B.Tech in Computer Sciences and Engineering From Punjab Technical University.

Certifications :

Certified in Data Sciences using Python from Harvard University

Microsoft Certified Html5, JavaScript and CSS3 Specialist.

Previous work

* Zscaler, chandigarh
* Koenig solutions ltd, New Delhi
* SO infotech, Noida