

Resume

Name: Prasad Dalavi

Contact Details:

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Summery:

- Dedicated individual with 3 years of total experience and B.Tech in Electronics and Tele-communication from BATU, Lonere.
- Currently working on Face Banking at Innodea Software Pvt Ltd, Vimannagar.
- Diverse experience with multiple projects in Python, Machine learning, Embedded systems and Automation.
- Would like to associate myself with an organization that provides me an opportunity to improve my skills and contribute towards organization's growth.

Technical Skills:

Programming Languages	Python2, Python3, C, Javascript(Basic), jQuery(Basic)
Python Libraries	Tensorflow, Opencv, Celery, Numpy, Matplotlib, Pymongo, Pandas, PyQt4, Sockets, Requests
Web Frameworks	Django, Django-REST, Django-ORM, Flask
Protocols	HTTP, MQTT
VCS	Git
Databases	MySQL, MongoDB
Hardware Platforms	Arduino, Raspberry Pi-3, 8051, GSM, ESP8266
Cloud Platforms	Azure (IoT, Congitive Face API), AWS(IoT, EC2, RDS, Rekognition, S3)
IDEs	Sublime Text, Pycharm, Atom, Visual Studio
Github Repository	https://github.com/prasad01dalavi
Operating Systems	Linux(Ubuntu-16.04 LTS), Rasbian, Windows 7, Windows 10

Experiences:

Organization	Designation	Experience Duration	
Innodea Software Pvt Ltd	Python Developer	Aug-2018 to Present	3 Months
Living Mind Technologies	Python and ML Engineer	Jan-2017 to Aug-2018	1 Year 8 Months
Govt. Polytechnic, Malvan	Visiting Lecturer	Jan 2016 to Oct-2016	10 Months
VISNET Pvt Ltd.	Technical Support	Sept-2015 to Nov-2015	3 Months

Projects:

1) PayTack Face Banking (Aug 2018 to Present)

- **Technology:** Python, Flask, MongoDB, Tensorflow Face Recognition, Microsoft Cognitive Face API
- **Overview:** Paytm like application which uses Face Recognition for making transactions. It is used to make transaction at ATM.
- **Role:** Backend Developer, BDD Tester

2) Security and Surveillance System (April 2018 to Aug 2018)

- **Technology:** Tensorflow, Opencv, Python, Django, Django-Admin, AWS EC2, MySQL Database, Raspberry-Pi, Python Requests
- **Overview:** Detects any suspicious activity across the camera and gives SMS alerts to the owner. Software resides on RPi(for POC) which detects the general objects using TF Object Detection API and knife like dangerous object using custom trained model. It derives the meaningful information out of it and send the snapshot of the incident to the cloud. The user can see the detected activity by logging in to his account and take actions accordingly. User can also activate or de-activate alerts for particular objects which are not significant for them. This system can help to avoid accidents like robbery, murder etc.
- **Role:** Full Stack Developer

3) Face Recognition using Opencv (Mar 2018)

- **Technology:** Opencv, Python
- **Overview:** Detects and recognizes the faces using python and opencv.
- **Role:** Developer

4) Depth Estimation using Stereo Vision for Cargo Space Monitoring (Jan 2018 to Mar 2018)

- **Technology:** Opencv, Python, Stereo Vision
- **Overview:** Measures the Space available in Cargo Container using Stereo Vision. Which contains two cameras separated at 110 mm distance and mounted at the rare top of the cargo container. It calculates the distance(volume) using depth of the pixel values by using stereo images
- **Role:** Developer

5) General Object Detection using Tensorflow Object Detection API (Dec 2017)

- **Technology:** Tensorflow, Opencv, Matplotlib
- **Overview:** Detects the object coming across the Web Camera using Tensorflow object detection API. It can detect upto 90 general objects.
- **Role:** Developer
- **Note:** We have trained our custom object (knife) detector using Paperspace cloud GPU by training the model for about 8-9 Hours.

6) Real Time Prediction of General Objects using Clarifai API (Oct 2017 to Nov 2017)

- **Technology:** Python, Django REST, Clarifai API, Javascript, JQuery
- **Overview:** Predicts objects coming across camera using Clarifai General Model API. It sends SMS alerts if any person is detected.
- **Role:** Full Stack Developer

7) Vehicle Tracking System (Task Based) (June 2017 to Sept 2017)

- **Technology:** Django REST, AWS EC2, Angular-4, AWS, RDS, MySQL DB, Python Sockets
- **Overview:** This web application consists of task based Fleet Monitoring. It can generate reports like Vehicle Utilization, Real Time status of vehicles, Monthly Tasks done by particular vehicle etc. It helps user to manage his fleet very efficiently. It resides on AWS EC2 instance with Angular 4 at

frontend and Django at backend. Frontend communicates with backend using Django REST API. Python socket listens to GPS devices (clients) fitted in vehicle and stores Coordinates into the AWS RDS MySQL database.

- **Role:** Backend Developer

8) Real time Temperature, Humidity monitoring with Azure & Power BI (Mar 2017 to May 2017)

- **Technology:** Internet of Things, Arduino, Raspberry-Pi3, Python, HTTP
- **Overview:** DHT11 Sensors output is processed by Arduino Yun and sent to the Raspberry Pi (Gateway) over Wi-Fi. RPi uploads the relevant data on Microsoft Azure cloud using Python program as well as stores it locally. This data is then fed to Power BI by using stream analytics in Microsoft Azure cloud to create Dashboards.
- **Role:** Developer

Education:

Qualification	University/Board	Percentage/CGPA	Year of Passing
B. Tech in EXTC	Dr. B.A.T.U., Lonere	8.82 or 81.41 %	2015
Diploma in EXTC	MSBTE	88.63 %	2012
S.S.C	Kolhapur Board	94.15 %	2009

Personal Information:

Date of Birth: 1st October 1993

Nationality: Indian

Gender: Male

Languages Known: English, Hindi, Marathi, German (Basic Level)

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Date:

Signature
