NIKHIL DHANDRE

About Me Research oriented developer with one year of experience in the area of software and hardware development. Seeking for challenging and creative environment in order to utilise my technical knowledge, educational background for effectively contribute to the growth of the organisation.

Nikhil M. Dhandre
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Date of Birth
April 04, 1991

Address
B-1001, Sarang,
Nanded City,
Pune,
MH-411041.

SKILL SET:

Languages	: Python, C, Shell, LaTeX, HTML, PL/SQL, PHP (*basic*)
Databases	: MySQL, PostgreSQL, SQLite
Servers	: LAMP (*Apache*), FTP, Mailing
Operating System	: Linux (*CentOS, Ubuntu, Jessie, NOOBS*), Windows
Softwares	: Proteus, Multisim, Matlab, Keil, Arduino IDE, Kile, Express PCB, Photoshop, Altium (*just start*) etc.
Hardware	: Raspberry Pi, Arduino, Microcontrollers
Courses	: CCO, CCC

ORGANISATIONAL SCAN:

Since Apr'16   **India Meteorological Department (IMD), Pune**
(Junior Research Fellow)

(Project-1)	: **SYNOP DECODER**
Technologies	: Python, MySQL
Role	: I was responsible for development.
Description	: This decoder is decoding the Meteorological Global Telecommunication System (GTS) Messages (in WMO standard) received from Reginal Telecommunication Hub (RTH) server Pune. After decoding it convert to National Data Center (NDC) 80 bit Indian standard.

(Project-2)	: **MINI AUTOMATIC WEATHER STATION (MAWS)**
Technologies	: Python, MySQL, Embedded, Web Server
Role	: I was responsible for Codding & Designing.
Description	: It is low-cost weather station for increasing the meteorological data traffic. The data logger has 8 Analog, 8 digital and 2 serial interfaces. It has a Remote monitoring system with Hamachi Client. Internet use for data traffic.

(Project-3)	: **GRIB READER**
Technologies	: Python (*pygrib, matplotlib, pygrib*)
Role	: I was responsible for development.
Description	: GRIdded Binary (GRIB) is concise data format used in meteorology. GRIB Reader is the utility to read that data with respect to Lat-Lon. It provides the facility of plotting, export in CSV, compares data, point value.

(Project-4)	: **AMO MAILING CLIENT**
Technologies	: Python, SMTP
Role	: I was responsible for development.
Description	: It is supporting in centralising Drishti System data from various Airports runways in India.

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Agu'15-Jul'16	Central Water and Power Research Station, Pune
	(Project Student)

(Project)	: DAM & WEATHER PARAMETERS MONITORING SYSTEM
Technologies	: IoT, Python, MySQL, Webserver
Role	: I was responsible for development.
Description	: Dam authority facing problems regarding the dam and weather parameters monitoring. Manual data observation and transmission results in a considerable time lag between data observed in the field and decision making level so there may be a possibility of losing a real-time data. This proposed scheme is used to solve those problems.

OTHER EXPERINCE:

Feb 2016	Resource person for Research Methodology (LATEX) Workshop in Sinhgad Institue of Technology & Science, Pune
Jul 2015	Conducted a workshop on LATEX at NPCOE, Gadchiroli.

PUBLICATIONS:

- Nikhil M. Dhandre, JKS Yadav, Dr. G. Krishnakumar (Dec-2016) : "**Design & Implementation of Mini Automatic Weather Station for Rural Areas in India**", *National Symposium on Tropical Meteorology(TROPMET-2016)* , In Progress.

- Nikhil M. Dhandre, P. D. Kamalasekaran, Pooja Pandey (Oct-2016) : "**Dam Parameters Monitoring System**", 7th*IEEE India International Conference on Power Electronics* , In Progress.

- Nikhil M. Dhandre, M. M. Jadhav (Jun-2016) : "**Dam Data Collection & Monitoring System**", *International Journal of Science and Research* , Vol.5, Issue 6, pp.1787-1790.

ACADEMIC CREDENTIALS:

2016	**M.E.** (Communication Network) from Pune University. Secured 8.33 CGPA with Distinction.
2013	**GATE** Qualified.
2012	**B.E.** (Electronics Communication) from Nagpur University. Secured 65.45 with First class.
2008	**H.S.C** (Electronics) from Maharashtra State Board. Secured 73.83% with First class.
2006	**S.S.C** from Maharashtra State Board. Secured 76.80% with Distinction.

I hereby declare that all the information given in my resume is true to the best of my knowledge.

Date :

Place :

(Nikhil M. Dhandre)