Nikhil M. Dhandre
nik.digitronik@live.com
www.digitronik.in
www.github.com/digitronik
+91-9096919955

Date of Birth
April 04, 1991

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

Nikhil Dhandre

About Me: A result-oriented Engineer with one year seven month of experience in the area of Research and Quality Engineering. Seeking for challenging and creative environment in order to utilise my technical knowledge, educational background for effectively contribute to the growth of the organisation.

Skill Set:

Languages	: Python, C, Shell, LaTeX, HTML, PL/SQL, PHP (*basic*)
Frameworks	: Pytest, Navmazing, Widgetastic, Wrapanapi
Databases	: MySQL, PostgreSQL, SQLite
Servers	: LAMP (*Apache*), FTP, Mailing
OS	: Linux, Windows
Softwares	: Proteus, Multisim, Matlab, Keil, Arduino, Kile, Express PCB, Photoshop, Altium (*just start*) etc.
Hardware	: Raspberry Pi, Arduino, Microcontrollers
Courses	: CCO, CCC

Organisational Scan:

Since Jun'20 — **Red Hat India Pvt.Ltd, Pune**
(Intern)

Team	: **Cloud Forms Management Engine (CFME) QE**
Technologies	: Python, Pytest, Widgetastic, Navmazing, Wrapanapi
Role	: I am responsible for Quality Engineering.
Repository	: `https://github.com/ManageIQ/integration_tests`
Description	:

- Responsible for focus areas(Storage, Provider Discovery, Capacity, and Utilization)
- Added Model pages for Storage in the framework
- Automate new test cases as well as fixed broken automation
- Contributed in core Widgetastic framework
- Enhanced the test coverage for Capacity and Utilization
- Maintain Polarion test cases
- Added Mojo Page for cfme storage feature

Apr'16-Jun'17 — **India Meteorological Department (IMD), Pune**
(Junior Research Fellow)

(Project-1)	: **SYNOP Decoder**
Technologies	: Python, MySQL
Role	: I was responsible for development.
Repository	: `https://github.com/digitronik/synop-decoder`
Description	: This decoder is decoding the Meteorological Global Telecommunication System (GTS) Messages (in WMO standard) received from RTH server Pune 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. It has a Data Logger and Remote monitoring system.

(Project-3)	: **GRIB Reader**
Technologies	: Python (*pygrib, matplotlib, pygrib*)
Role	: I was responsible for development.
Repository	: `https://github.com/digitronik/grib`
Description	: GRIB Reader is the utility to read that GRIdded Binary (GRIB) data with respect to Lat-Lon and plotting, export in CSV, compares data, point value.

Nikhil M. Dhandre
nik.digitronik@live.com
www.digitronik.in
www.github.com/digitronik
+91-9096919955

Date of Birth
April 04, 1991

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

(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.

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 like 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 Contributions:

Oct 2017 Contribute to Python Workshop under banner of Python Express conducted at RIT, Islampur, Sangli.
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 (Oct-2016) : "**Dam Parameters Monitoring System**", 7^{th}*IEEE India International Conference on Power Electronics* ,DOI: 10.1109/IICPE.2016.8079375.
- 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)