

Nikhil Naik

Software Developer

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Technical skills

- Programming Language: Python, Shell, HTML, JavaScript, CSS
- Database: MySQL, SQLite
- Machine Learning Algorithms, Exploratory Data Analysis
Software Designing, Implementation and Integration
Network administration and troubleshooting in Linux environment

ADDITIONAL SKILLS

Analytical Thinking
Problem Solving
Team Leadership
Strong Communication

COURSE & CERTIFICATION

IIT Roorkee's Applied Data
Science with python
Certified - 2021

Data mining course-Purple.com
Certified - 2021

Computer Vision – Udemy
Uncertified - 2021

IEEE's System Design workshop
Certified - 2017

PROJECTS & INTERNSHIP

UniConverge Technologies -
Applied DataScience Certified
Project & Internship – 2021

- Telemarketing Campaign
Prediction in python using
Logistic Regression and KNN
Classifier algorithm.
- Tools used: sklearn, Random
Under Sampler, Label
Encoder, Simple Scalar,
GridSearch for Hyper-
parameter tuning, etc

Sign Language Interpreter for
Hearing and speaking Impaired
Final year project – 2018

- Sensors embedded hand
worn glove for detecting hand
gestures.
- Arduino Uno microcontroller
with Bluetooth to convert and
transmit Sign language to
English and display on mobile
application.

PROFESSIONAL EXPERIENCE

Gajshield Infotech, Mumbai, India

Software Developer, Sept 2018 – March 2021

A network security company which provides security products and services. Including Next Generation Firewall Solutions and Cloud Security. Established in 2002 with annual turnover of 20-50 million rupees.

- Developed a solo R&D project to improve the efficiency of Email security system of Gajshield Firewalls which had 97% accuracy using Outlier Detection Machine learning model (sklearn's LocalOutlierFactor) in python.
- Lead a team of 3 developers and 1 tester to design, develop and integrate a Centralized VPN control for the firewall product using python, web2py framework, open-source WireGuard VPN in Linux(Centos) environment.
- Lead a team of 2 developers and 1 tester to design, develop and integrate a Service Level Agreement control system to dynamically switch network traffic passing through the firewall using python and Linux's iptables module.
- Technical representative of Gajshield Infotech for a project with Bharat Petroleum Company, with responsibility of attending high level meetings and understanding the requirements.
- Responsibility of network design and planning a deployment strategy for the deployment of 4000 Gajshield Firewalls to various remote locations of Bharat Petroleum with a connectivity to Gajshield's cloud based Centralized Management System.
- Designing and implementation of analytical dashboard to enhance the Browser based User Interface of Gajshield Firewalls using python's web2py framework and python's graphical library – pygal and javascript's graphical library- chartjs.

EDUCATION

Datta Meghe College of Engineering, May 2018

Bachelor's of Engineering - Electronics

Sushiladevi Deshmukh Vidyalyaya & Jr College , Feb 2014

Higher Secondary Certification -Bifocal Electronics

Relevant Coursework: Digital Image Processing, Structured Programming Approach in C++ and Java

Extracurricular Activities: IETE Member, Junior Red Cross volunteer, Counter strike 1.6 LAN Gaming Tournament winner.