

# Muhammad Saqib

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## EDUCATION

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- **National University of Computer and Emerging Sciences** 2012 – 2016  
• *BS Computer Science, CGPA: 3.03/4.0*

## WORK EXPERIENCE

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- **Cloud9 Networks FZE** July 2016 - Present  
• *Sr. Software Engineer*
  - **Cloud Monitoring Software:**
    - \* Developed a logging, monitoring and alerting platform for Openstack cloud.
    - \* Developed telemetry and metering module for Openstack cloud.
  - **Network Monitoring System:**
    - \* Key contributor to the development and integration of Network Monitoring system that monitors thousands of customer premises network devices: collects and stores metrics and visualize data with alerting and ticketing systems integrated.
  - **PNDA Project:**
    - \* PNDA Big data network analytics toolchain on Openstack cloud. <https://github.com/pndaproject/>
  - **Big Data Analytics Engine:**
    - \* Developed a REST API in Java Spring and front-end in AngularJS.
    - \* Designed a Hadoop cluster for data streaming pipeline from relational data sources to HIVE.
    - \* Created Oozie jobs for executing HIVE scripts.
  - **Internet Access Request System for Govt.KPK Colleges:**
    - \* Lead the Analysis, design and implementation of the software and used git for collaboration and continuous deployment with git hooks.
- **FAST-NUCES**  
• *Research Assistant* Jan. 2015 - June. 2016
  - **Research Assistant - Machine Learning:** Research on puzzle solving using various techniques. Applied deep learning on data generated from Copris Theorem Prover. <http://dx.doi.org/10.14569/IJACSA.2017.080364>
  - **System engineer - Nvidia HPC lab:** Built Message Passing Interface(MPI) cluster for distributed memory programming and Hadoop cluster for map-reduce programming for HPC class of Fall-2015.

## TECHNICAL SKILLS

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- **Programming:** C++, Python, Java, Javascript, SQL.
- **Frameworks and Libraries:** NodeJS, React, Flask, Numpy, Pandas.
- **Databases:** MySQL, MongoDB, Elasticsearch, HIVE, Influxdb.
- **Data visualization:** Kibana, Grafana, BIRT, Jasper Reports.
- **Network monitoring:** Nagios, Icinga2, ELK stack.
- **IT Automation:** Puppet, Ansible, SaltStack.
- **Cloud technologies :** Openstack, AWS, GCP, Docker, Kubernetes.