

NIKHIL PATIL

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EDUCATION

Master of Science in Computer Science

State University of New York, Binghamton, NY

Expected: December 2017

Overall GPA: 3.77/4

Bachelor of Engineering in Information Technology

University of Pune, MH, India

August 2010 – May 2014

Overall GPA: 3.5/4

TECHNICAL QUALIFICATION

- **Programming Languages:** C, Python, Java, Shell script
- **Web Technologies:** JavaScript, HTML/CSS, JSON, jQuery, Flask framework
- **Database:** MySQL, Cassandra, MongoDB
- **Software and Tools:** Apache Spark, Android Studio, Eclipse, Google Cloud Platform, Gitlab

WORK EXPERIENCE

Research Project Assistant | The Research Foundation for SUNY, Binghamton

May 2017-Present

- Researched machine learning classification algorithms in Apache Spark. Submitted a paper to IEEE International Conference on Big Data 2017.
- Improved consistency and processing speed by using Data Frames as dataset. Used Hadoop as backend filesystem and Cassandra as database
- Designed and Developed a web application using Python Flask to collect required information from user to process the data.

Associate Software Engineer | Accenture Services Pvt. Ltd., Pune, India

August 2014-June 2015

- Developed a web and windows application to serve insurance processing for client.
- Involved in design, implementation, testing and maintenance phase of application lifecycle.
- Used Java for application development with DB/2 as database.

PROJECTS

BigBing: Predictive modelling as a service for Automated Malware Classification

- Developed a tool for automated windows and android malware classification. Applied Random Forest and Logistic Regression machine learning algorithms from ML library in Apache Spark.

Data logger and Report generation utility

- Designed a tool in C#.Net which is connected to different data loggers using serial port and generate reports using RDLC reporting based on collected data.

Instruction Pipeline Simulator

- Created Java application to simulate different stages of instruction pipeline of a processor with some additional features like Read Only Buffer, LOAD/STORE queue and Unified Register File.

DICOM image viewer and converter

- Developed a tool in Java which can open DICOM images, convert those images into standard image format and extract information from images.

Online Portfolio

- Designed a website for personal portfolio using Bootstrap and HTML/CSS.