VIVEK BHAT

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EDUCATION

- **North Carolina State University** — Raleigh, NC
  Master of Science, Computer Science, GPA – 3.7/4.0 — Dec 2017
  Relevant Coursework: DevOps, Object Oriented Design Development, Software Engineering, Algorithms, DBMS
- **Jamia Millia University** — New Delhi, India
  Bachelor of Technology, GPA – 8.3/10 — May 2016

EXPERIENCE

INTEL — Cary, NC
Post Sales Data Engineer Intern — May – Aug 2017

Intel Saffron REST Client
- Developed Intel Saffron's Java REST tool that encapsulates the unique security protocol and complex API from scratch
- Earlier, creating one 'space' took more than an **hour**. Now, the customers can create thousands of SMB spaces **in less than 5 minutes**
- Its intuitive deliverable zip file and heavy documentation guide made SMB REST calls simpler and easier for the customer
- Reduced the engineer allocation time from 15.75 hours to 1 hour, **93.65% reduction in time,** hence our company saved money

AWS Auto-Deployment Client
- Introduced modern DevOps techniques and improved the deployment of Saffron by using Intel-AWS EC2 instances and Ansible
- The conventional procedure to install Saffron was to buy a server (not AWS) and manually ssh into it and then set the environments and configure it accordingly. This would usually **take more than 2 hours** and going through cumbersome steps again and again
- Now, with just one-step Ansible script, we get a new up and running EC2 instance with Saffron installed and configured in it

Saffron-US Army Automated Tool-Setup Client (Classified US Army project)
- Revamped the conventional deployment strategy of the tool being built for the US Army by Intel
- The new technique deploys an up and running software (classified) on top of a Saffron base
- Also introduced Docker Compose and Docker Swarm to help with new releases

SKILLS & INTERESTS

PROGRAMMING: *JAVA, JavaScript, NodeJS,* Knockout.js, ReactJS, JQuery, RUBY, Ruby On Rails, HTML5, CSS, Bootstrap, XML, JSON, REST APIs, C, C++, JUnit, RSpec, Capybara, Cucumber, Selenium, Mocking, Mocha, Nock, Mockito, Chai
DATABASES: *Oracle SQL*Plus*, MySQL, SQLite, SQLite3, Postgres SQL (PGSQL)
TOOLS & UTILITIES: *Ansible, Docker, Amazon Web Services, Kubernetes, Vagrant, Git, Maven,* VirtualBox, Eclipse, IntelliJ IDEA, RubyMine, REST APIs, AWS EC2, S3, Android Developer Tools (ADT), Android Studio
OPERATING SYSTEMS: *OS X El Sierra***,** Windows, Linux flavors - *Ubuntu, CentOS,* Kali, Mint, Zorin

ACADEMIC/OTHER PROJECTS

Devops-Pipeline, uses Ansible, Vagrant, AWS, Jenkins, Docker, Nginx, NodeJS (git.io/vHiiN) — Spring 2017
Developed a DevOps pipeline to deploy, build and test a NodeJS and Java Application on remote EC2 instances (involved CM too).
DBMS-Course Registration System uses Java, JDBC, SQL, git (git.io/v96qj) — Spring 2017
Goal was to design a relational database application for supporting course registration at a university such as NCSU

Bots and Web Apps Developed:
- **Twitter-Bots** uses node, npm, JavaScript, Twitter (git.io/vHiMJ) — fall 2016
  @botifulbot is the twitter handle for this bot API. It follows users who posted some tags
- **FlagLagBot** uses Slack API, Git API, LaunchDarkly API, AWS EC2, Ansible (git.io/v1nuB) — fall 2016
  Aimed to bridge the gap between LaunchDarkly (tool for creating and managing **feature flags**) and code that uses it, user can communicate with our SlackBot and perform different tasks.
- **Library Room Booking Web App,** using Ruby on Rails, Heroku (git.io/vX6Sv) — fall 2016
- **Mock-Twitter:** A twitter mockup, with data-binding using **Knockout.js** and cascading by CSS. (git.io/vXitW)

Open Source Contribution:
- **EXPERTIZA OSS Project,** uses ROR and Docker (git.io/vX6St) — fall 2016
  Expertiza is a classroom tool build on Ruby on Rails for group projects and peer review. We refactored response controller of 'Expertiza' using ROR and DRY principles for better architecture. Docker was used to set the environment required for the project
- **EXPERTIZA NCSU,** uses ROR, ReactJS (git.io/v1ixj) — fall 2016
  Worked on some UI issues and improvement of a tree display page of Expertiza. Send feedback to support + tree display was improved and a new UI with some added functionalities were provided.

HACKATHON PROJECTS:
- **OptMeet** in **HACKNC 16** (UNC Chapel Hill, NC USA) (git.io/vXivE) — fall 2016
  Developed a web application that manages meeting friends at a convenient location using map.

LEADERSHIP AND PUBLIC SERVICE EXPERIENCE

- Chairperson of IEEE JMI Student Branch and IEEE JMI Computer Society (2015-2016).
- Vice-Chairperson of IEEE Jamia Millia Islamia Student Branch (2014-2015).
- Winner of Dr J. K. Pal Memorial Award for the Best IEEE Student member 2016 from IEEE Delhi Section of Region 10 Asia Pacific.
- Winner of OUTSTANDING STUDENT VOLUNTEER 2015 from IEEE Delhi Section.
- Active member of the NGO SHRISHTI (Centre for child & adolescent mental health)