

VIVEK BHAT

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LinkedIn: [linkedin.com/in/vivek-bhat](https://www.linkedin.com/in/vivek-bhat) | **Github:** github.com/VivekBhat | **Website:** <http://vivekbhat.me>

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EDUCATION:

North Carolina State University, Raleigh, NC Aug 2016 -Dec 2017

Master of Science (Computer Science), **GPA – 3.7/4.0**

Jamia Millia University, New Delhi, India Aug 2012 - May 2016

Bachelor of Technology, **GPA – 8.3/10**

Courses Taken: DevOps, Software Engineering, Object Oriented Design Development, Design and Analysis of Algorithms, Database Management System, Computer Networks

TECHNICAL PROFICIENCIES:

JAVA, Ansible, NodeJS, JavaScript, Knockout.js, ReactJS, JQuery, Ruby, Ruby On Rails, HTML5, CSS, Bootstrap, REST APIs, C, C++, Junit4, RSpec, Capybara, Cucumber, Selenium, Mocking, Mocha, Nock, Mockito, Chai.

Oracle SQL*Plus, MySQL, SQLite, SQLite3, Postgres SQL (PGSQL).

Docker, Kubernetes, Vagrant, VirtualBox, Git, Maven, Eclipse, IntelliJ IDEA, RubyMine, Twitter APIs, GitHub APIs, Facebook APIs, REST APIs, **Amazon Web Services,** AWS EC2, S3, Android Developer Tools (ADT), Android Studio.

OS X El Sierra, Windows, Linux flavors - Ubuntu, Kali, Mint, Zorin.

EXPERIENCE:

INTEL Saffron:

Post Sales Data Engineer Intern

May 2017 – 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 on the fly
- Its intuitive deliverable file and heavy documentation guide made SMB REST calls simpler and easier for the customer
- Reduced the internal 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 to automate the deployment of Saffron on a remote Amazon EC2
- 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 of mine, 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.

OTHER PROJECTS

Aug 2015 – Apr 2016

Devops-Pipeline

Spring 2017 ([git.io/vHiiN](https://github.com/vivekbhat/vivekbhat))

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

The goal of the project was to design a relational database application for supporting course registration at a university such as NCSU

Docker-Fun, using Docker, Vagrant, Node

Tested server and did spinning, building and committing to Docker Images.

Mock-Twitter, using Knockout.js, JavaScript, HTML5, CSS, Bootstrap

A twitter mockup, with data-binding using **Knockout.js** and cascading by CSS.

Bots and Web Apps Developed:

- **Twitter-Bots** uses node, npm, JavaScript, Twitter
[@botifulbot](https://twitter.com/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
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.
- **<http://vivekbhat.me>** : My personal github.io page
- **Library Room Booking Web App,** using Ruby on Rails, Heroku

Weather Forecast App uses Android Studio and OpenWeatherMap API

This Android App uses OpenWeatherMap API to fetch weather data and then displays it on the app.

Open Source Contribution:

- **EXPERTIZA OSS Project,** uses ROR and Docker
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
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)
A simple web application to manage meeting friends at a convenient location using map.
- **Electricity Bill Calculator** in **Hack4India** (NSIT New Delhi, India)
This android app was developed for TATA powers (INDIA) and calculates the electricity consumption based on the formula

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provided by TATA Powers. It uses Android Studio, material design, navigation drawer, toast, snackbar and many newer android features.

HONOURS:

- 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.