

# Vignesh Nandakumar

<https://vigneshniyer.github.io>  
vnandak@ncsu.edu | +1 919-771-5331

## EDUCATION

### NC STATE UNIVERSITY

#### MS IN COMPUTER SCIENCE

Expected Dec 2017 | Raleigh, NC

Cum. GPA: 3.8

### BE IN COMPUTER SCIENCE AND ENGINEERING

SSN College Of Engineering | India

Aug 2012 - May 2016

Cum. GPA: 8.17

## LINKS

Portfolio:// [Vignesh Nandakumar](#)

Github:// [vigneshniyer](#)

LinkedIn:// [vigneshniyer](#)

## SKILLS

### PROGRAMMING

Over 2000 lines:

Java • C • C++

Over 500 lines:

Ruby • R • Python • JavaScript

Familiar:

GIT • Groovy • HTML & CSS • MySQL

• JSP

Tools & Frameworks:

Eclipse • NetBeans IDE • Rails • Docker

## COURSEWORK

### GRADUATE

Design & Analysis Of Algorithms

Object-Oriented Design & Development

Foundations Of Data Sciences

### UNDERGRADUATE

Data Structures

Operating Systems

Artificial Intelligence

Software Engineering

Principles of Compiler Design

## PROJECTS

### BOOK(A)ROOM | LIBRARY ROOM BOOKING APP

September 2016 – December 2016 | Raleigh, NC

<https://nameless-journey-10600.herokuapp.com>

- Simulated a Library Room Booking System for different time slots and locations on campus using Ruby on Rails deployed on Heroku.

### PENSIEVE | ONLINE DIARY ENTRY SYSTEM

Jan 2015 – April 2015 | Chennai, India

<https://github.com/vigneshniyer/Pensieve>

- An innovative personal blogging website mirroring a diary allowing users to pen down memories and thoughts and store them in a secure manner.
- Written primarily in JSP, implemented using Apache Tomcat Server (locally) and deployed on heroku.

### CRAWLBOT | WEB CRAWLER & DATA EXTRACTOR

Jan 2016 – April 2016 | Chennai, India

<https://github.com/vigneshniyer/crawl-bot>

- Developed a lightweight Machine Learning System in a container based virtual environment (Docker) enabling the extraction of data from HTML/XHTML pages using specific Python packages.
- Projection of statistics after data mining implemented using Jupyter Notebook.

### EXPERTIZA | OPEN SOURCE PLATFORM

Sep 2016 – Nov 2016 | Raleigh, NC

<https://github.com/vigneshniyer/expertiza>

- Worked on refactoring ruby code and building RSpec unit tests for Expertiza, an open sourced platform for monitoring students' assignment submissions.

### THE INNER CIRCLE | SOCIAL NETWORKING FORUM

Dec 2014 – Jan 2015 | Bangalore, India

<https://github.com/vigneshniyer/InnerCircle>

- A mini social networking forum for a set of private users developed using Apache Groovy on Grails Framework.

## WORK EXPERIENCE

### ELTROPY PVT. LTD. | INTERN

Dec 2014 – Jan 2015 | Bangalore, India

Used Rapid Application Development in Grails Framework to develop a social forum using Apache Groovy and established connectivity using PostgreSQL.

### AIT RESOURCE INDIA PVT. LTD. | INTERN

June 2015 – July 2015 | Chennai, India

Covered the basics of Android Programming and created a prototype for a social networking forum.

## AWARDS

2015	Certification	Algorithms and Data Structures, Microsoft Research (MECR)
2014	Winner	Coding at ReBoot - National level Tech Symposium
2014	Runner Up	Hacking at ReBoot - National level Tech Symposium
2010	Top 1%	Selected for CSIR Youth Leadership Programme in Science (CPYLS)