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Raleigh, NC - 27606

E-MAIL
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MOBILE
+1 984 215 8067

GITHUB REPO
github.com/vicky-katara

SKILLS

PROGRAMMING LANGUAGES
Java, C, Python, Ruby, Rust, Excel VBA

WEB TECHNOLOGIES
HTML, CSS, JavaScript, XML

DATABASE PLATFORMS
Advanced SQL on Oracle RDBMS 9i / 11g

APPLICATIONS
Informatica PowerCenter, Adobe Photoshop CS6, NetBeans, Eclipse, Audacity, LATEX, Wireshark, GitHub, Swing(Java)
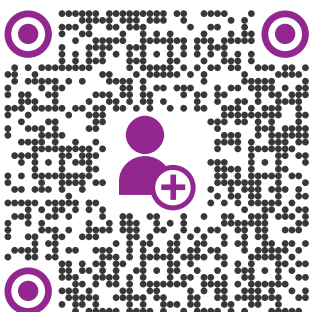
OPERATING SYSTEMS
Microsoft Windows, Linux

CERTIFICATIONS
Oracle Certified Java SE6 Programmer (with 93%)

SAVE MY CONTACT

VICKY KATARA

EDUCATION

2015 - 2017 (EXPECTED), M.S.(COMPUTER SCIENCE), NORTH CAROLINA STATE UNIVERSITY
Current G.P.A.: 4.0

2009 - 2013, B.E.(COMPUTER ENGINEERING), UNIVERSITY OF MUMBAI
Majored in Software / Computer Science. Graduated 6th in class.

WORK EXPERIENCE

JAN 2014 – JUN 2015, TECHNOLOGY ANALYST, DELOITTE CONSULTING
Business Intelligence - Data Warehousing

Worked for numerous short and long term Enterprise Data Warehousing / Integration projects. Orchestrated and Participated in numerous firm and community improvement initiatives

RELEVANT PROJECTS

CONFORMANCE SUITE FOR MOZILLA SERVO
Open Source project to develop a conformance suite for Mozilla's next generation browser. Source at: `vicky-katara/unicode-bidi`
Technologies Used: Python, Rust

PEER TO PEER VIDEO STREAMING SYSTEM
Developed a P2P Video Streaming Application. Source at: `vicky-katara/IP_Video_P2P`
Technologies Used: Java, Eclipse, testing on a VirtualBox swarm

JAVA FILE ENCRYPTOR `Side Project`
My attempt at Building a File Encryption Tool in Java. The GUI is in Swing. It uses PBE with MD5 and DES for encryption. Source at: `vicky-katara/FileEncryptor`
Technologies Used: Java, Swing, NetBeans

LIBRARY MANAGEMENT SYSTEM
Modeled and developed a Library Management System as a Web Application.
Application available at: `calm-coast-3120.herokuapp.com`
Technologies Used: Ruby on Rails, CSS, JavaScript, Heroku

GRE WORD TEST TOOL `Side Project`
Application available at: `www4.ncsu.edu/~vpkatara/GRE800/`
Technologies Used: JavaScript, HTML, CSS

ANALYSIS OF ATOMICITY FOR MULTITHREADED PROGRAMS
Researched into algorithms for testing atomicity(serializability) of multi-threaded programs. Implemented live applications to test the results. emph
Technologies Used: Java, Swing, NetBeans *Group Size:* 3

AUTOMATION TOOL FOR WAREHOUSE TESTING `Side Project`
Developed a tool to execute SQL Test scripts on a database, capture the results, and publish them onto an Auditing and Testing platform. The tool is currently being patented by Deloitte.
Technologies Used: Microsoft VBA, SQL