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RAHUL KADAM

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EDUCATION

Syracuse, NY	Syracuse University	Jan '17 – Expected Dec '18

Master of Science: Computer Engineering, GPA - 3.88/4.0

Mumbai, India	University of Mumbai	May '13

Bachelor of Engineering: Computer Engineering, GPA - 3.8/4.0

EMPLOYMENT

Teaching Assistant	Syracuse University	Aug '17 – Dec '17

- Assist students with their queries and grade assignments as part of "Advance Data Structures" course.

Research Assistant	Syracuse University	April '17 – Aug '17

- Extending GNU Radio, an open-source software development toolkit in C++, Python by adding new efficient signal processing blocks. Applied multi-threading, cache optimization techniques to increase throughput by 60%.

Software Engineer	Accenture Services Private Limited	Nov '13 – Dec '16

- Developed web applications using J2EE, Spring, Struts, Hibernate Frameworks and Implemented RESTful API's fetching data from a SOAP based service for a B2B website in Java along with their JUnit test cases.
- Developed application in Mongo DB, Express.js, Node.js & Angular (MEAN) Stack to create an interactive portal deployed on Amazon Web Services. Analyze legacy PHP and MySQL codebase for migration to MEAN stack.

TECHNICAL SKILLS

- Programming lang.:   Java, C++, C#, Python, Scala, SQL, Shell Script, C.
- Web - Frontend: HTML, CSS, Bootstrap, JavaScript, AJAX, jQuery, Angular, React.
- Web - Backend: PHP, Node.js, Express.js, SOAP, REST, Java EE, Servlet, JSP, Hibernate, Struts, Spring
- Databases & Servers: Oracle, SQL Server, MySQL, MongoDB, Apache Tomcat, WebLogic, Apache HTTP, JBoss
- Operating Systems: Linux, Unix, Windows, Mac, Android.
- Cloud Computing: AWS: Ec2, VPC, IAM, S3, Cloud Formation, Route 53, SNS, SQS, Elastic bean stalk, SWF
- Big Data: Hadoop, Hive, Pig, Sqoop, Kafka, HBase, Spark Streaming, Flume.
- Other Interests: Artificial Intelligence, Machine Learning, Deep Learning
- Development Tools: Eclipse IDE, Visual Studio, Android Studio, Sublime Text, Git, GitHub.

ACADEMIC PROJECTS

Maps as Graphs: (Java)   **Spring '18**

- Modelling real life data into Graph ADT with Google Maps as GUI to find optimal route between two cities by analyzing and comparing Breadth First Search, Dijkstra's and A-* Algorithms.

Text Editor: (Java)   **Spring '18**

- Text Editor GUI with features such as Spelling Check, Spelling Suggest, Autocomplete, Calculate Flesch Index, Edit Distance and Generate Markov Text, implemented using Doubly Linked Lists, Queues and Hash Tables.

Chat Application: (Node.js)   **Spring '18**

- A multi-room chatting application that allows users to login via Facebook, create chatrooms of their choice and chat in Realtime implemented using Sockets.

Yelp Camp: (Node.js)   **Spring '18**

- Users have the functionality to register, rate/review, add, and comment on user-submitted campsite locations.
- Implements RESTful routing with express and mongoose, authenticating/authorizing with passport and maintaining an active database of users and campgrounds with Mongoose.

NYC-Subway Data Analysis: (Python)   **Spring '18**

- Big Data Analysis on NYC-Subway Data to find out whether more people ride the subway when it's raining versus when it's not using Hadoop-MapReduce Techniques and data visualization to draw interesting conclusions.

Remote Build Server: (C#)   **Fall '17**

- Peer-to-Peer Model to build and test software modules with a process Pool and a Socket based HTTP style Messages using Windows Communication Foundation (WCF) and a GUI for user using WPF.

Foodie Social Media Android App: (Java)   **Fall '17**

- Android API's implemented include Navigation Drawer, Recycler-View, View-Pager, Coordinator Layout, access local storage and use Camera App. Using Backend-as-Service in Firebase with Realtime Push Notifications.

Remote Code Publisher: (C++)   **Spring '17**

- Publishes source code files into html pages using Type-Based Dependency Analyzer. C++ socket-based communication channel by using HTTP style messages for remote services and a GUI in C++/CLI for the user.