Rahul Singh Saini

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EDUCATION

- **Texas A&M University**
  College Station, TX
  Master of Science in Computer Science
  Aug. 2017 – May 2019

- **Indian Institute of Technology**
  Guwahati, India
  Bachelor of Technology in Mathematics and Computing; GPA: 8.05/10.0
  July 2010 – May 2014

EXPERIENCE

- **Oracle**
  Hyderabad, India
  Senior Applications Engineer
  Oct 2016 - July 2017
  - Involved in development of Oracle FDC, part of Oracle Fusion Application Suite, a SaaS based cloud application, as **lead developer**, responsible for development, writing unit tests, and maintaining the product.

- **Oracle**
  Hyderabad, India
  Applications Engineer
  July 2014 - Sep 2016
  - Involved in development of Supply Chain Cost Management module, part of Oracle's Enterprise Resource Planning (ERP) cloud offering, using Java, J2EE, SQL, PL/SQL, and ADF.
  - Received 'U Make a Difference Award' for outstanding contributions to the team

PROJECTS

- **Bachelor Thesis** : Game-Theoretic Approach for Formation of Ad Hoc Wireless Networks: Formulated, and simulated the relationship between a node and rest of the network in an ad hoc wireless setting, using game theoretic concepts.
- **PokeFight Database** : Implemented a database backed web application to design a pokemon fight playground, which could be used to store pokemons, players, and their relationship, and fights. Translated the normalized Entity-Relationship(ER) Model to Database Schema. Followed Three Tier Architecture. Technologies used: Ruby on Rails, SQLite. https://aqueous-thicket-33890.herokuapp.com
- **Network Optimization** : Implemented a network routing protocol using Dijkstra's and Kruskal's algorithms to find the maximum bandwidth path in a sparse, and a dense graph. Ran simulations by generating random graphs, and compared the runtimes.
- **HTTP Proxy** : Built a basic web proxy capable of accepting HTTP requests, forwarding requests to remote (origin) servers, and returning response data to a client.

PROGRAMMING SKILLS

- **Languages & Technologies** C/C++, Java, SQL/MySQL, PL/SQL, Ruby on Rails

RELEVANT COURSES

Database Systems*   Analysis of Algorithms*   Software Engineering*   Data Structures and Algorithms
Computer Networks   Probability Theory and Random Processes   Distributed Computing   Operating Systems
currently taking these courses (Fall'17)

POSITIONS OF RESPONSIBILITY

- **Professional Development Officer:** Computer Science and Engineering Graduate Student Association (CSEGSA), Texas A&M University.
- **Oracle 1M/1M Intrapreneur** one of the 15 people, among all Oracle employees, who won the scholarship for a year's worth of training in the 1M/1M virtual incubator.
- **Students' Placement Office** Student Placement Representative, Department of Mathematics, IIT Guwahati
  - Coordinated with team of 20 students responsible for facilitating placement proceedings of 650 students involving 150 companies
  - Responsible for developing contacts with corporate recruitment teams of several firms for internship and placements
  - Organized sessions on Personality Development and Career Awareness by esteemed alumni for over 600 students