Reddem Karan Reddy

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SUMMARY

Highly-skilled software development professional with 1 year of experience in software design, development and integration.

TECHNICAL SKILLS

Languages : Java, JavaScript, C++, SQL
Web Technologies and Frameworks : Node.js, Express.js, HTML, CSS, REST, Hibernate, Spring, React.js
Databases : MongoDB, MySQL
Tools : Google App Engine, Firebase, Git, MATLAB, Heroku
Operating Systems : Windows, Linux

EDUCATION

Stony Brook University, Stony Brook, NY   *August 2016- December 2017*
M.S. in Computer Engineering
Graduate Coursework : Analysis of Algorithms, Network Algorithms & Analysis, Pattern Recognition, Mobile Cloud Computing, Advanced VLSI System Testing, Computer Aided Design

Nitte Meenakshi Institute of Technology, Bangalore, India   September 2011- May 2015
B.E. in Electronics & Communication Engineering

EXPERIENCE

ITC INFOTECH LTD.   July 2015 – July 2016
Full-Stack Web Developer   *Bangalore, India*

· Worked as a full-stack web developer on a web based shipment tracking application for a leading logistics company.
· Implemented a real-time dashboard to allow users to track status of shipments and orders.
· Resolved critical bugs in the application to improve performance.

PROJECTS - [github-handle](#)

Chatroom Application   August 2017 - September 2017
Technologies Used : Node.js, Express, Passport.js, MongoDB, Heroku

· Developed a chat room application which allows users to login using social authentication (Facebook or Twitter).
· Application allows users to create/join chat rooms and post messages and/or photos.

Trackathon - Android Application   April 2017 - May 2017
Technologies Used : Android Studio, Java, NoSQL, Firebase, Google App Engine

· Trackathon, an android application which can track a user's running route and store workout data.
· Firebase authentication was used for user authentication and Firebase real-time database to store user workout data.

Email Web Client   April 2017
Technologies Used : Node.js, Express, Passport.js, MongoDB, Google Cloud

· Implemented an email web client which uses Gmail API to send emails using pre-defined templates stored in the database to a list of users given in an excel file.

PODEM - Automatic Test Pattern Generation for combinational VLSI circuits   March 2017 - April 2017
Technologies Used : C++

· Implemented a baseline PODEM ATPG algorithm to find a test vector for each fault we need to detect in the combinational circuit and performed event-driven simulation to provide about 10x speedup.
· Applied several techniques to further optimize the runtime of the system and reduce the test set size.

Ordered Clustering of Feature Similarity in Analog Circuits   January 2017 - February 2017
Technologies Used : Java

· Developed a tool which performs block recognition for a given input netlist and uses an ordered clustering algorithm to examine the feature similarities and differences between analog circuits with the help of separation scores.