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EDUCATION:

Stevens Institute of Technology, Hoboken, New Jersey**Master of Science in Computer Science, GPA: 3.93****Dec 2017**

Course Work: Advanced Algorithm, Distributed Systems and Cloud Computing, Advanced Web Programming, Human Computer Interaction, Text Mining and Natural Language Processing, Knowledge Discovery and Data Mining, Data Mining 2, Web Analytics, Web Programming, Cyber Security

Gujarat Technological University, Ahmedabad, Gujarat**Bachelor of Engineering in Computer Engineering, CGPA: 8.44****May 2015**

Course Work: Artificial Intelligence, Operating Systems, Database Management System

SKILLS:

Programming Language: C, Java, JavaScript, PHP, C++, Python, R, Android

Web Technology: NodeJS, ReactJS, Redis, MongoDB, MySQL, Bootstrap, HTML5, CSS, AngularJS, GruntJS, GulpJS, ElectronJS

Certifications: Cisco Certified Network Associate Routing and Switching (CCNA)

Frameworks and Tools: Spring Boot, Spring Batch, Cassandra, Spark, Kafka, BigQuery, Scikit-learn, Hadoop, Arduino, Amazon EC2, AWS, Amazon EMR, Laravel, GNU, VR-Forces, Elastic-Search

EXPERIENCE:

Priceline, New York, New York**03/2018 – Present***Associate Software Engineer – Core Platform*

- Summarizing customer search data using apache Spark and save into Cassandra
- Coding in java to view time-based message of Kafka topic for other teams to verify their producer health
- Monitoring application health and data using Splunk query and BigQuery and creating alerts in Splunk
- Creating a batch process framework for data load job using Spring Batch
- Reducing API response time to 600 milliseconds from more than 1500 milliseconds time for getting past meaningful data of customer from Cassandra database to provide the best deal
- Reducing production issues by increasing test coverage to 85% through unit test and Mockito
- Implementing Cassandra based refreshable DAO in Spring
- Implementing Personalization platform using Spring Boot, Cassandra, and Kafka

Enersave, Whippany, New Jersey**12/2016 – 03/2018***Full Stack Developer Intern*

- Analyzed client requirements to design data models for virtual energy audit of residential and commercial buildings by creating database in MySQL
- Developed responsive web application with administrator panel in Bootstrap, AngularJS, jQuery, and PHP
- Deployed and monitored scalable infrastructure on Digital Ocean
- Developed web hooks APIs for continues deployment through Bitbucket repository by pushing code in production branch in Git

Stevens Institute of Technology, Hoboken, New Jersey**12/2016 – 12/2017***Graduate Research Assistant • Research Engineer - System Engineering Research Center (SERC)*

- Developed distributed simulation APIs by implementing MQTT protocol based Publish-Subscribe module in Java using ActiveMQ as messaging server
- Generated funding from Government for next phase of the project by defining new research area through designing high-level distributed architecture
- Implemented OpenRDF semantic layer on highly confidential DoD project to manipulate triple store data
- Formulated and simulated different scenarios in VT-MAK's simulation tool VR-Forces

Software Engineer

- Developed Android application for MyLA311 (Los Angeles - smart city project) and ThroneVIP projects
- Implemented Google Cloud Messaging in Android to send and receive alerts and used Google Maps API
- Designed and implemented RESTful web services for the Android application and implemented JSON parser library
- Developed research and development-based simulator for Sonography using Arduino framework and color sensor
- Created data filter using Java data structure and statistics to obtain accurate Wii remote movement

ACADEMIC PROJECTS:**CMS, Stevens Institute of Technology, Hoboken, New Jersey****Fall 2017***Technology: ReactJS, Elastic Search, Socket.io, Electron, ImageMagick, Redis*

- As team leader, designed and developed CMS based responsive single page web application in ReactJS that offers configurable data structures and each data structures having multiple entries using NoSQL database
- Improved search for entries of multiple data structure by using Elastic Search
- Boosted NodeJS based server performance by stored in entries in cache memory using Redis
- Decreased server works by created workers to do write operation on MongoDB and communicate with server using publish subscribe module in Redis
- Secured again threats by implementing XSS, and database injection prevention mechanism

Salon Portal, Stevens Institute of Technology, Hoboken, New Jersey**Summer 2017***Technology: NodeJS, Express, MongoDB, Redis, HandleBarsJS, PassportJS*

- As team leader, designed and developed crowd-sourced based web application to publish salon information, current offers, user reviews, treatment charges, hair stylist information and reviews using NoSQL database
- Developed search, salon owner and normal user login and other functionalities using Passport, bcrypt library
- Accelerated server speed by implementing LFU cache algorithm using Redis

Tag Prediction of Interview Questions, Stevens Institute of Technology, Hoboken, New Jersey**Spring 2017***Technology: Python, Scikit-learn, Numpy, Skipy, BeautifulSoup*

- Coded in Python to scrap all the interview questions and tags from CareerCup website using BeautifulSoup
- Implemented various machine learning algorithms like ANN, Decision Tree, Support Vector Machine, Multinomial and Gaussian Naïve Bayes, and KNN to predict appropriate tags for question using Scikit-learn
- Discovered best machine learning algorithm with efficient parameter based on accuracy by using GridSearch

Hadoop Page Rank, Stevens Institute of Technology, Hoboken, New Jersey**Fall 2016***Technology: Hadoop, Java, MapReduce, Amazon EMR, Amazon EC2*

- Coded in Java for computing the 'most popular' pages of Wikipedia using MapReduce in Amazon EMR
- Configured multiple Hadoop cluster nodes in Ubuntu based virtual machines

Autonomous Land Vehicle, Gujarat Technological University, Ahmedabad, Gujarat**Fall 2014***Technology: C++, .Net, Arduino, Bootstrap, PHP, jQuery*

- Designed and developed prototype of autonomous car with artificial intelligence and sensors like GPS, compass, gyroscope, distance and etc. using 4 Arduino processors as a computing power in 4-person team
- Increased efficiency by designing decision making algorithm to find best route and handle real-time abstraction
- Coded firmware for Arduino in C++ to control the self-driving car prototype

ACHIEVEMENTS AND LEADERSHIP:

- Achieved **1st rank** in Avishkaar for **Innovative Project**, National Techno Festival Kshitij, 2015
- Achieved **4th rank** in **Android App Development competition** organized by Government of India
- Presented research paper on **Simplified Data Processing on Large Cluster** and **PicStream**, Sudbury, Ontario
- Accounted as **Chairperson** in **Abhivvyakti event**, National Techno Festival Kshitij 2013