

ASHISH CHOUDHARY

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Summary

- Upcoming Master of Computer Science graduate with experience in web application development using Java, graph database (Neo4j) and Oracle.
- Strong technical knowledge with proven ability to lead projects and design end-to-end solutions.

Education

University of California, Irvine

Master of Computer Science, Expected Dec 2019, GPA – 3.9/4.0

Coursework – Principles of Data Management, Intro to Artificial Intelligence, Internet of Things, Computer Systems Architecture, Distributed Systems, Neural Networks and Deep Learning, Data Structures.

The National Institute of Engineering, India.

Bachelor of Engineering, Information Science and Engineering, 2012 – 2016

Technical Skills

- **Programming languages** - Java, C++, C, Python, C#
- **Frameworks** - Spring MVC/Boot, Spring Data Neo4j
- **Database** - Neo4j, Oracle DB
- **Query Language** - SQL, Cypher

Professional Experience

Software Engineer - Cisco Systems, Inc.

Aug 2016 – July 2018

- Transformed Hierarchy Management Platform (HMP) project from simple client-server architecture to far more robust multi-tier client-server architecture.
- Upgraded existing database (Neo4j) of HMP from version 1.9 to 3.1; implemented causal clustering technique for cluster synchronization that led to significant improvement in platform performance.
- Implemented Bulk Import Functionality to process 10,000 records in a few minutes, using parallel processing in Java and Neo4j procedures.
- Developed a Business Rule Engine Framework and optimized the hierarchy onboarding process from 3 weeks to 1 week.
- Designed and developed web services to enable users to extract data from the platform.

Intern, Cisco Systems, Inc.

Jan 2016 - June 2016

- Optimized workflow process of HMP by reducing the approval time from 1 hour to less than a minute.

Key Projects

Relational Database Management System

Sep 2019 – Dec 2019

- Built a relational database from scratch in C++ having Record-Based File Manager, Relation Manager, Index Manager and Query Engine.

Honors & Awards

2017 – Cisco Innovate Everywhere – Two-time recipient for innovation and out-of-the-box solutions

2016 – Cisco Connect Everything – Two-time recipient for exceptional performance

2014 – NIE IEEE IPL Coding Contest, The NIE, Mysore, India – Ranked 2nd place