

# Rohit Jha

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## EDUCATION

### UNIVERSITY OF CALIFORNIA, SAN DIEGO

#### MS IN COMPUTER SCIENCE

Sep 2015 - Dec 2016 | San Diego, CA

GPA: 4.0 / 4.0

### UNIVERSITY OF MUMBAI

#### BE IN COMPUTER ENGINEERING

Jul 2009 - Jun 2013 | Mumbai, India

GPA: 69.57 / 100

## LINKS

Github:// [rohitjha](#)

LinkedIn:// [rjha1](#)

## COURSEWORK

### GRADUATE

Software Engineering

Advanced Compiler Design

Programming Languages

HCI for Health

Computability and Complexity

### UNDERGRADUATE

Object-Oriented Software Engineering

Software Architecture

Web Engineering

Project Management

Data Warehousing and Mining

Distributed Computing

Advanced Database Management System

Operating Systems

## SKILLS

### LANGUAGES

C • Java • C# • C++ • Python • JavaScript

• PHP • Ruby •  $\text{\LaTeX}$  • Haskell • Scala • Go

• x86-Assembly • Fortran • SQL • Shell

### FRAMEWORKS & APIS

• Node.js • Express.js • AngularJS • Bootstrap

• Microsoft .Net • OpenGL • LLVM • OpenMP

### DBMS

MySQL • Microsoft SQL Server • Oracle

Database • MariaDB • SQLite • MongoDB

• PostgreSQL

### OPERATING SYSTEMS

GNU/Linux • Windows • MacOSX • BSD

• Android • iOS • Windows Server

## EXPERIENCE

### TATA CONSULTANCY SERVICES (TCS) | DEVELOPER

Nov 2013 – Jun 2015 | Mumbai, India

- Provided development and 24x7 L1-L3 technical support for applications developed in Java and .Net Framework for The Dow Chemical Company, its subsidiaries and joint ventures.
- Coordinated with global teams from TCS, IBM, Accenture, AT&T, Kelly Services and Dow
- Made systems more efficient and reliable by code refactoring and improving application performance

## PROJECTS

### AUTOMATIC PARALLELIZATION OF C PROGRAMS

Sep 2015 – Mar 2016

A tool which converts a C program into its parallelized, functionally equivalent version tailored for multicore and multiprocessor architectures

### FITNESS BANDS FOR HEALTH OUTCOMES

Sep 2015 – Dec 2015

A software that collects data about users' activities from fitness bands and displays it after analysis to them, their doctors and medical researchers

### DATAFLOW ANALYSIS FRAMEWORK FOR LLVM

Sep – Dec 2015

A framework that performs static and dynamic program analyses on LLVM IR code and generates optimized IR code

### DISCRETE MATHEMATICS PROGRAMMING LANGUAGE

Aug 2012 – Nov 2015

A DSL built on Haskell that provides a library of functions and an accurate notation for set theory, graph theory, logic, number theory and combinatorics

### PERFORMANCE PREDICTION USING DATA MINING

Feb – May 2012

A web application that applies data mining algorithms to predict the performance of freshmen in future examinations

### SECURE LOGIN THROUGH MOBILE AUTHENTICATION

Jan – Jul 2012

A secure and novel technique of signing in to online accounts, by using a cell phone instead of a keyboard, overcoming the threats and vulnerabilities found in traditional login systems

## AWARDS

2015 TCS On The Spot Award

2015 TCS On The Spot Award

2015 Best Dow Reliability Success Story of the Quarter (Oct-Dec 2014)

2015 TMS Best CIP of the Quarter (Oct-Dec 2014)

2014 Dow Reliability Ambassador

2014 Best Dow Reliability Success Story of the Quarter (Jul-Sep 2014)

2014 TCS On The Spot Award

2014 TCS ILP (Initial Learning Program) Kudos Award

2014 TCS LIREL Award