

# Rohit Jha

<http://cseweb.ucsd.edu/~r1jha>

rohitjha@ucsd.edu | 858.291.2037 | 9450 Gilman Drive, UCSD #40002, La Jolla, CA 92092-0100, USA

## 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  $24 \times 7$  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 parallelization tool which converts a C program into its parallelized, functionally equivalent version tailored for multicore 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