

# Akshay Miterani

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## EDUCATION

### DAIICT

Dhirubhai Ambani Institute of  
Information and Communication  
Technology

### INFORMATION AND COMMUNICATION TECHNOLOGY WITH HONORS IN COMPUTATIONAL SCIENCE

Expected July 2018 | Gandhinagar,  
Gujarat  
Cum. CPI: 8.42 / 10

## LINKS

- Codeforces:// [akshay\\_miterani](#)  
Rating: 2052 [India Rank - 40]
- Hackerrank:// [akshaymiterani](#)  
Rating: 2367 [India Rank - 47]  
Medals: (7-Gold 11-Silver  
7-Bronze)
- Quora:// [Akshay-Miterani](#)  
Most viewed writer in  
competitive programming

## COURSEWORK

### UNDERGRADUATE

Data structures and Algorithms  
High Performance Computing  
Graph Theory  
Complex Networks  
Modelling and Simulation

## SKILLS

### PROGRAMMING

Java • Python • C++ • C  
Familiar:  
Scilab • MATLAB • Google Guice •  
Spring • Amazon AWS • DB2

## PROJECTS

### PARALLEL SEGMENT TREE

Implemented segment tree on a  
multi-core processor. Reduced the build  
time by a factor of 3.5 using 4  
processors in a shared memory system.

### TINY SHELL AND MEMORY ALLOCATOR

Implemented working of a tiny shell and  
memory allocator in C which included  
different in-built shell functions.

## EXPERIENCE

### MORGAN STANLEY | TECHNOLOGY ANALYST INTERN

January 2018 - Present | Mumbai, India

- I work in Financial Crimes Technology, under the Sanctions Screening team in Legal and Compliance Technology.
- I am working on creating microservices with spring in Java.
- I have also worked on batch processes in spring as a part of this internship.

### INTERVIEW KICKSTART | INTERVIEW COACH

September 2017 - Present | California, USA

- I am working as a remote coach to prepare software engineers working in the industry with algorithmic interviews.
- I create and review algorithmic questions for interview practice.

### AMAZON | SOFTWARE DEVELOPMENT INTERN

May 2017 - July 2017 | Hyderabad, India

- Worked with the Amazon Seller Services team in creating a new debugging console for the team.
- Created two backend API in Java along with Coral and Google Guice.
- Created a fronted portal in Java with Spring MVC.
- Completed writing a responsive user interface with Amazon UI, jsp and javascript.
- Over 4000 lines of code pushed to production with 100% test coverage.
- Received pre-placement offer from Amazon for my work there as a two-month summer intern.

## RESEARCH

### IIT BOMBAY | RESEARCH SUMMER INTERN

April 2016 - July 2016 | Bombay, India

Worked with Professor Ashutosh Mahajan to create SCILAB functions using Mixed Integer Linear Programming and Mixed Integer Nonlinear Programming libraries under the optimization toolbox. Functions released under open source program FOSSEE.

## AWARDS

2017	Top 50 Indians	Competitive Programming Hackerrank and Codeforces
2016	1 <sup>st</sup> in India	IIT-Bombay, Summer Internship Coding Competition
2016,2017	Top 250	Codechef Snackdown
2015	Top 20	ACM ACPC Kolkata Regionals Qualifier
2015	9 <sup>th</sup> /120	Annual Asian Parliamentary Debating Tournament, ILNU
2015	1 <sup>st</sup> /300	Data Structures and Algorithms, DAICT

## POSITION OF RESPONSIBILITY

2016-2017	Convener	Student Placement Cell, DAICT
2016-2017	Convener	Programming Club, DAICT
2016-Present	Question Setter	Hackerearth Hiring Challenges
2016-Present	Question Setter	Interviewbit
2015-2016	Lead Coordinator	Annual Debating Event, DAICT
2014-2016	Member	Student Placement Cell, DAICT
2014-2016	Member	Debate Club, DAICT