

# Shantanu Acharya

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## EDUCATION

### NIT MIZORAM

B.TECH IN COMPUTER SCIENCE AND ENGINEERING

Expected June 2019 | Aizawl, India  
 CGPA: 9.61/10.0 | Department Topper

### SPRING DALE COLLEGE, INDIRA NAGAR

Higher Secondary Examination  
 Grad. May 2014 | Lucknow, India  
 91.80% | 97% in Computer Science

### SPRING DALE COLLEGE, INDIRA NAGAR

High School  
 Grad. May 2012 | Lucknow, India  
 91.40% | 99% in Computer Applications

## LINKS

Github:// [shan18](#)  
 LinkedIn:// [shanacharya](#)

## COURSEWORK

### UNDERGRADUATE

Algorithms & Data Structures, Discrete Mathematics, Computer Organization, System Programming, Linear Algebra

### ONLINE/MOOC

Introduction to Machine Learning by Prof. Andrew Ng (Stanford University)  
 Neural Networks and Deep Learning by deeplearning.ai (Coursera)  
 Improving Deep Neural Networks by deeplearning.ai (Coursera)  
 Convolutional Neural Networks by deeplearning.ai (Coursera)

## SKILLS

### PROGRAMMING LANGUAGES

Proficient:

Python • C

Intermediate:

Java • C++

Familiar:

LaTeX • MySQL • JSON • Bootstrap • Matlab • Markdown

### TOOLS/Frameworks

Django • Android Studio • git • vim • Numpy • Pandas • Tensorflow • Firebase

## EXPERIENCE

### IIT BOMBAY | SUMMER ENGINEERING INTERN | [GITHUB](#)

June 2017 – July 2017 | Mumbai, India

- Implementation of remote-triggered virtual labs using Django.
- Worked on improving the efficiency and reliability of virtual lab systems.
- Developed a mathematical model simulation for the Single Board Heating System.
- Added an online quiz taking interface called yaksh.
- Implemented a centralized database in order to prevent data inconsistency.
- **Tools:** Python, Django, Scilab, Apache

## PROJECTS

### AUTORANKING AMAZON REVIEWS | MACHINE LEARNING |

NATURAL LANGUAGE PROCESSING | [GITHUB](#)

Oct 2017 | Aizawl, Mizoram

- Ranking the reviews on Amazon according to their helpfulness score.
- The problem was modeled as a regression problem. The performance was evaluated by using the coefficient of determination and rank correlation.
- Predictions were made based on various categories of features of the review text, and other metadata associated with the review, with the purpose of generating a rank for a given list of reviews.
- **Tools:** Python, Numpy, Pandas, textblob, scikit-learn

### MORPHOSIS | ANDROID APPLICATION | [GITHUB](#) | [GOOGLE PLAY STORE](#)

Mar 2017 – Apr 2017 | Aizawl, Mizoram

- Android App for the annual technical fest of NIT Mizoram
- Contains all the information of various events to be conducted during the technical fest.
- Live notification updates.
- Contains a game called Scooby Dooby Doo, where participants have to answer various logical questions. The app gives live leader-board updates.
- **Tools:** Java, Android Studio, Firebase

## CONFERENCE/WORKSHOP

2015 SciPy India Python for Scientific Computing organised by FOSSEE, IIT Bombay

## ACHIEVEMENTS & AWARDS

### SCHOLASTIC

2018	MITACS Scholarship	Summer Research Internship in Canada
2017	10/10 grade	5th Semester   3rd year, NIT Mizoram
2014	Cleared TOEFL	Secured 102 marks out of 120

### EXTRA-CURRICULAR

2017	Co-ordinator	Morphosis'17, NIT Mizoram
2013	Head Boy	Head of the Student Council at Spring Dale College
2013	1 <sup>st</sup>	Zonal Basketball Championship Tournament at Lucknow, U.P.