

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 | DAAD-WISE Scholarship | Summer Research Internship in Germany |
| 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 st | Zonal Basketball Championship Tournament at Lucknow, U.P. |