

Shantanu Acharya

OPEN SOURCE · ANDROID · MACHINE LEARNING · PYTHON

National Institute of Technology, Aizawl, Mizoram, PIN: 796012, India

☎ (+91) 9559959581 | ✉ thegeek.004@gmail.com | 📷 shan18 | 🌐 shanacharya

Education

National Institute of Technology Mizoram (NIT Mizoram)

Aizawl, Mizoram, India

B.TECH. IN COMPUTER SCIENCE AND ENGINEERING, PRE-FINAL YEAR

July 2015 - PRESENT

- CGPA of **9.61/10** (till November 2017, 5th Semester)
- Currently **department rank 1**

Spring Dale College, Lucknow, Uttar Pradesh (ISC)

Lucknow, Uttar Pradesh, India

HIGHER SECONDARY EXAMINATION

Mar. 2012 - May. 2014

- Secured **91.80%** overall
- 97% in Computer Science

Spring Dale College, Lucknow, Uttar Pradesh (ICSE)

Lucknow, Uttar Pradesh, India

HIGH SCHOOL

Mar. 2000 - May. 2012

- Secured **91.40%** in HSLC Examination
- 99% in Computer Applications

Experience

Summer Engineering Intern, IIT Bombay

IIT Bombay

IMPLEMENTATION OF REMOTE-TRIGGERED VIRTUAL LABS USING DJANGO | [GITHUB](#)

Jun. 2017 - Jul. 2017

- Worked on improving the efficiency and reliability of remote triggered 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

Kart

E-COMMERCE WEBSITE BUILT USING DJANGO | [WEBSITE](#) | [GITHUB](#)

Dec. 2017 - Jan. 2018

- Built the backend entirely on Django. Used jQuery in some places to make the website asynchronous.
- Used signals, custom model managers, and custom queriesets extensively to keep most of the code logic within the models and to make the communication between the linked models effective.
- **Tools:** Python, Django, Bootstrap, jQuery, Ajax, jsrender, chart.js
- **Services:** stripe, mailchimp, Amazon Web Services, heroku, sendgrid

Autranking Amazon Reviews

MACHINE LEARNING, NATURAL LANGUAGE PROCESSING | [GITHUB](#)

Oct. 2017

- 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, NIT Mizoram

NIT Mizoram

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

Mar. 2017 - Apr. 2017

- Android App for the annual technical fest of NIT Mizoram
- Contains all the information of various events to be conducted during the technical fest.
- Contains a game called Scooby Dooby Doo which gives live leaderboard updates.
- **Tools:** Java, Android Studio, Firebase

Technical skills

Languages : Python(Primary), JAVA, C, C++, Javascript, MySQL, JSON

Tools/Frameworks : git, Django, NumPy, Pandas, Tensorflow, Keras, scikit-learn, Amazon Web Services, Heroku, Android Studio, Firebase, Matlab, L^AT_EX, Markdown, Bootstrap, vim

Platform : Ubuntu(Primary), Windows

Conference/Workshop

2015 **SciPy India, International Conference** on Python for Scientific Computing organised by FOSSEE

IIT Bombay

Relevant Courses

ACADEMIC

Data Structures, Discrete Mathematics, Operating Systems, Numerical Methods and Probability Theory, Design and Analysis of Algorithms, Computer Organization and Architecture, Theory of Computation, System Programming, Linear Algebra

ONLINE/MOOC

2018 **Sequence Models**, deeplearning.ai | Grade: 100%

Coursera

2018 **Convolutional Neural Networks**, deeplearning.ai | Grade: 100%

Coursera

2017 **Structuring Machine Learning Projects**, deeplearning.ai | Grade: 100%

Coursera

2017 **Improving Deep Neural Networks**, deeplearning.ai | Grade: 100%

Coursera

2017 **Neural Networks and Deep Learning**, deeplearning.ai | Grade: 100%

Coursera

2016 **Introduction to Machine Learning**, Prof. Andrew Ng | Grade: 96.9%

Coursera

2016 **Open Source Software Development**, Kushal Das

dgplug

GIAN COURSES

2017 **Deep Learning for Natural Language Processing**, Dr. Benoit Favre, Aix-Marseille University(AMU)

France

2016 **Natural Language Processing & Sentiment Analysis**, Prof. Alexander Gelbukh, Instituto Politécnico Nacional (IPN)

Mexico

2016 **Introduction to Robot Operating System**, Prof. David Pinto Avendaño, Benemérita Universidad Autónoma de Puebla (BUAP)

Puebla, Mexico

Achievements & Awards

SCHOLASTIC

2018 **Selected for DAAD-WISE Scholarship**, for Summer Research Internship in Germany

NIT Mizoram

2018 **Selected for MITACS Scholarship**, for Summer Research Internship in Canada

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2017 **Scored an absolute 10/10 grade**, in 5th Semester | 3rd year

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2014 **Cleared TOEFL**, Secured 102 marks out of 120

Lucknow

2013 **Certificate of Merit**, The Times of India, for outstanding performance in academics

The Times of India

EXTRA-CURRICULAR

2013 **Winner**, Zonal Basketball Championship Tournament

Lucknow, U.P.

2012 **Runner-up**, Zonal Basketball Championship Tournament

Lucknow, U.P.

Positions of Responsibility

2015 **Technical Co-ordinator**, Co-ordinated the Techno-Cultural Anunaad'15, responsible for Technical Events Management

NIT Mizoram

2013 **School Captain**, Elected as the Head of the Student Council, responsible for managing all events that took place in the years 2013-14

Spring Dale College