# SHREYAS NIMISHE

## An Algorithm geek and a Machine Learning enthusiast

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- @ shreyas.nimishe@gmail.com
- **?** Dhanbad

### **EDUCATION**

Integrated M.Tech in Mathematics & Computing (Currently 3rd Year)

**Indian School Of Mines, Dhanbad** 

7.86 / 10.0

Higher Secondary exam (Maharashtra State Board)

74.5 / 100

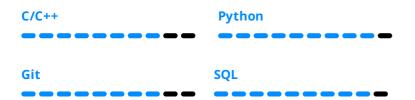
**Jupiter Junior Science College** 

Secondary Board Exam (CBSE)

**NEERI Modern School** 

9.8 / 10.0

## **SKILLS**



# **PROJECTS**

### Hand Written Digit Recognition

Skills: Python | Git | Machine Learning

- Built a digit recognizer which achieved accuracy of 96.67% on 28\*28 images using MNIST data on kaggle. Created new features such as total pixels, filled columns which led to better results.
- Used Python library pandas for data analysis and visualization and scikit-learn for fitting models and cross validation.

## **Desktop Application**

Skills: Bash | Python | Git | Xpath

- Created a desktop application for gtk using python modules gtk & appindicator. Used shell scripting to auto start the application in Linux environment.
- The app scraped quotes off the internet and randomly displayed quotes as notification. The application also displayed notification scraped from ism website.

### **EXPERIENCE**

### Software Development Intern

#### **TextNook**

math display="block" Dec 2015 - Jan 2016" **♀** Bangalore

Skills: Python | Xpath | Git | Machine Learning

- Wrote Web Crawlers using BFS to extract data from websites, using Xpath to query web pages.
- Built a classifier using Machine Learning for classifying books into pre-existing categories.
- The classifier achieved an accuracy of 95.3% upon cross validation.

# **ACHIEVEMENTS**



### **ODE DE CODE 2.0**

Stood 3rd in ODE DE CODE 2.0 (Algorithmic Coding Contest).



#### **ALGORITHMIC CODING (in C/C++)**

- => Codeforces: Rated Expert (1678 rating) => SPOJ: Solved >300 problems and ranked 650 overall.
- => Codechef: Ranked ~600 worldwide.

# **EXTRACURRICULAR**

#### Head

#### **SIAM Coding Cell**

**Aug** 2014 - Oct 2014

Taught Data Structures & Algorithms under the banner of SIAM Coding Cell.

### Organizer

#### **MIND FUZZY**

Organized a maths quiz event in Concetto'14, the annual tech fest of ISM, Dhanbad.