

# GOVINDA TOTLA

Junior Undergraduate  
Computer Science and Engineering  
Indian Institute of Technology (BHU) Varanasi

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## OBJECTIVE

In anticipation of a challenging opportunity that will allow me to utilize my problem-solving skills and attention to detail to further develop my abilities in the field of Computer Science.

## EDUCATION

### Indian Institute of Technology (BHU), Varanasi

July 2016 – Current

- B. Tech. in Computer Science and Engineering (**Current CGPA: 8.85**)

| Semester | I    | II   | III  | IV   |
|----------|------|------|------|------|
| SGPA     | 8.61 | 8.75 | 8.95 | 9.10 |
| YGPA     | 8.68 |      | 9.01 |      |

### Garima Vidhya Vihar, Indore

2016

- Central Board of Secondary Education (CBSE) – Class 12<sup>th</sup> (Percentage: **89.80%**)

### Chameli Devi Public School, Indore

2014

- Central Board of Secondary Education (CBSE) - Class 10<sup>th</sup> (CGPA: **9.8**)

## SKILLS AND INTERESTS

- Languages:** C++, C, Python, HTML, CSS, SQL, Bash, JavaScript
- Technologies/Tools:** Amazon Web Services, Google Big Query, Google App Engine, Django, Git, Latex
- Areas of Interest:** Data Structure, Algorithms, Web Development.

## TECHNICAL EXPERIENCE

### Software Engineering Intern

Bluestacks, Gurgaon

Summer 2018(8 weeks)

**Bluestacks : Member of Cloud Team**

**Project Title :** Quest Click Prediction using Machine Learning for better user experience

- Extracting data of relevant features from data-store using **Google Big Query**
- Used **supervised learning algorithms** to train the model to predict if user should be shown the quest page or my apps page when Bluestacks app player engine starts.
- Exposure : Google Big Query, Google App Engine, Python libraries – Pandas, sklearn, matplotlib, Machine Learning

**Project Title :** Google Chrome Extension to automate population of new offers to data store

- Built a **chrome extension** for highlighting the status of offers on vendors site – running, paused, rejected.
- Used **Ajax call** to load external json using Bluestacks API. Also made buttons to automate the process of populating new offers into data store.
- Exposure : JavaScript, Web Scrapping, Web automation

**Project Title :** Amazon Machine Images with 1-Click Ready Bluestacks App Player installed on Windows

- Made a few **AMI's** with Bluestacks installed and working on different Windows configuration
- Exposure : Amazon web services

## PROJECTS

### Trading Agent Model using Reinforcement Learning

Jan-Apr '18

Exploratory Project : Guided by Dr. S.K.Singh

- Built a trading agent model based on **Q-Learning algorithm** for price prediction.
- Exposure : Reinforcement Learning, Python Libraries – Pandas, Numpy, Matplot

### Institute Election Portal

Aug-Nov '17

Course Project : Guided by Dr. Amrita Chaturvedi

- The election portal is an end to end web application with Material design to automate election procedures including nominations, voting and results.
- Exposure : Python, Django, HTML, CSS, Bootstrap, SQL

## Range Queries and Data Structures

Apr '17

Course Project : Guided by Dr. S.K.Singh

- Implemented various Data structures and algorithms like Segment Tree, Fenwick Tree, sparse table etc. for range queries and compared them on the basis of time and memory complexity.
- Exposure : C++, Data structures

### ACHIEVEMENTS

#### Competitive-Programming :

- Qualified for **ACM ICPC Gwalior Regionals 2017**, ranked **32<sup>nd</sup>**/601 teams (Team of 3).
- Selected in **Top 30** teams in GS Quantify 2017, a flagship contest organized by Goldman Sachs.
- Ranked **India 3<sup>rd</sup>** in Hello 2018, on Codeforces amongst **6000** participants.
- Ranked **1<sup>st</sup>** in the institute in **International Coding Marathon 2018**.
- Ranked **India 6<sup>th</sup>** in Codechef June Long challenge 2018.
- A **master** level programmer on **Codeforces** (max. rating of **2172**). ([Profile](#))

#### Academic :

- Qualified **JEE-Advanced** exam with an all India rank **687** amongst **0.2 million** aspirants, which were selected though **JEE mains** from about **1.4 million** candidates.
- Qualified **JEE mains** with over **99 percentile**.
- Qualified State Level **NTSE (National Talent Search Examination)**.

#### Extracurricular :

- Placed **1<sup>st</sup>** in **India** in **ICPC Team Logo Challenge**, a logo making competition organized by Codechef and ICPC.
- Selected for interview in **Quriosity'16**, a reasoning and communication skill competition organized under **Shilp**, festival of Civil Engineering Society of our institute.

### POSITIONS OF RESPONSIBILITY

- **Secretary, Club of Programmers - IIT (BHU)**, Responsibilities include **managing** and **holding** of all programming activities (workshops, events, competitions) and their **publicity** and **marketing** through-out the institute all over the year and spreading the programming culture.
- **Co-headed** the **Web Team** of **Codefest'18**.
- **Co-coordinator** of the event **CodeStart** under **Codefest'17**.
- **Problem Setter** on Codeforces in various contest organized under Club of Programmers.

### PERSONAL INFORMATION

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|-------------------------------------|--|
| • Father: Late. Suresh Totla        | • Mother: Rajlata Totla                        |
| • Nationality: Indian               | • Gender: Male                                 |
| • Hometown: Indore, Madhya Pradesh. | • Date of Birth: 17 <sup>th</sup> August, 1998 |