# SHANTANU GUPTA

**PHONE** +918765453565
**GMAIL** shantanugupta.sg
**GITHUB** gupta-shantanu
**WEBSITE** shantanu.gq
**LINKEDIN** gupta-shantanu
**ADDRESS** G-53, Jai Bharat Bhavan BIET Jhansi, 284128

## SKILLS

**Python**, Django, C
Octave (Matlab), Flash8,
Unity C#

## ACHIEVEMENTS

**Won 3rd prize** in **TCS Game On 2016,** national level game design contest (participation from *15000+ teams*).

**Won 2$^{nd}$ prize** in **National level coding competition** at **Comfest 2011**, Seth AR Jaipuria School, Kanpur (participation from 30+ schools of North India).

**Participated and ranked 2$^{nd}$** in **C-Gambling 2015**, the coding event of the BIET (*Ranked #1* in written round).

**Participated and ranked 67$^{th}$** in round 1 of **Codevita 2016,** a national level coding contest (participation from 5000+ teams from 500+ colleges).

**Perfect score** in **AMCAT Computer Programming Module** (*National Percentile of 100%*) and above 96% percentiles in English, Qualitative, Logical Abilities.

**Ranked 9247** in **IIT-JEE Advanced** 2013 (1.5 lakh pre-screened applicants, percentile > 93%) and **2902** in **UPSEE 2013** (among 2 lakh applicants**,** percentile > 98%).

## EDUCATION

| Certificate | Institute | Percentage | Year |
|---|---|---|---|
| **B.Tech (**Computer Science & Engineering**)** BIET, Jhansi *(UPTU)* | | 70% | 2017* |
| **Intermediate (12$^{th}$)** | Modern School, Lucknow*(ISC)* | 90% | 2012 |
| **High School (10$^{th}$)** | Modern School, Lucknow*(ICSE)* | 91% | 2010 |

## WORK EXPERIENCE

**Project Intern at Gamification-TCS,** *Gurgaon*
**Mentor:** Mr. Pradeep Mittal **Language:** C# **Platform:** Unity3D     (Jun 2016-Aug 2016)
- Worked with gamification team and developed POC for Serious and Cultural Games.
- Designed and Developed motion game components for Android and iOS platform.:

**Intern at Candid Cohort Infosolution** *(Work at home)*
**Mentor:** Ms. Bhavya Jindal **Language:** Django REST framework     (Nov 2016-Jan 2017)
- Design and Development of APIs using Django Rest Framework and RAML.
- Preparing Logics/Algorithms and Creating UML/ DFDs for the REST API.

**Intern at Edudrona** *(Work at home)*
**Mentor:** Mr. Rohit Manglik **Language:** Python , Selenium     (Sep 2016-Oct 2016)
- Collaborated with Edudrona Open Source Team to build a Web scrapping project.
- Enriched and repaired broken data by leveraging Google and Facebook APIs.

**Intern at TCS,** *Lucknow (Work at home)*
**Mentor:** Mrs. Swati Bhandari **Language:** Python, Django , Bootstrap etc.     (Jul 2016)
- Developed a dynamic and responsive website to manage attendance and leaves of college faculty and students and deployed the site to Heroku Cloud Application Platform. *Github Link:* /gupta-shantanu/CollegeSystem

## PROJECTS

**French Engineer**
Cultural game designed while working with gamification team of TCS. Developed in *Unity* using *C#* language. Play tested in *Android* & *iOS* platforms.

**Image Style Transfer using ConvNets**
Final year project based on research paper of the same name. Produces restyled image with content information from one image and artistic style from another image.

**Quiz Engine**
An interactive Quiz module for Schools IT Quiz competition on *Macromedia Flash 8* 6 interactive rounds, dynamic scoring, animations and on the go banner display
*Github Link:* /gupta-shantanu/dumpcode

**Huffman Compressor**
CLI application written in *Python.* Achieves lossless universal compression using Huffman algorithm.
*Github Link:* /gupta-shantanu/huffman

**Data Enrichment Preprocessor**
Scrap huge datasets from web and leverage googlemaps and autocomplete API to reconstruct/repair broken data before it is fed inside Wordpress Superlist.
Github Link (Collaborator): /rohitmanglik/data-enrichment

**Mirage**
Platformer game written in *C#* using *Unity.* Developed as a part of Game On contest and was 2nd runners *up among over 10,000 entries.*
*Github Link:* /gupta-shantanu/Mirage

## ACTIVITIES

**Conducted IT Quiz** Helvetika-2k12 for School, coded and designed the interactive quizzing module for the same.

**Conducted Codercup-2016** for college forum COSSCO, which involved participants submitting code to a codechef like judge on a local server.

**Solved** numerous competitive coding problems on sites like HackerRank, SPOJ, Interviewbit. SPOJ (**user:**l_lawliet)

## HOBBIES

Origami, Free Hand sketching etc.

## MINI PROJECTS

### Minesweeper
Puzzle game written in *Python* with customizable difficulty levels and grid, Used TKinter bindings to implement GUI.
*Github Link:* /gupta-shantanu/minesweeper

### Image Manipulating Neural Net
*Machine learning* algorithm in *Octave* 20x20 neural network for image manipulation using gradient descent.
Github Link: /gupta-shantanu/ml-imagetraining

### Chrome DINO-BOT
*Python* bot that plays chrome dianosaur Game by analyzing screenshots.
*Github Link:* /gupta-shantanu/dumpcode

### Graph Plotter
*Java Applet* that plots graphs for arbitrary mathematical functions.
Multiple overlapping curves (up to 4) supported.
*Github Link:* /gupta-shantanu/dumpcode

### LawProxy
*Django* Application that translates URLs to bypass local ISP censorships.
Gitub Link: /gupta-shantanu/proxySite

### Tic Tac Toe A.I.
Single player Tic-Tac-Toe engine written in *Python.*
Uses AI heuristic search algorithm called min-max search using alpha-beta pruning.
*Github Link:* /gupta-shantanu/dumpcode/tic_tac_toe_AI

### Flash Games
*Arkanoid* (/gupta-shantanu/macroflash-smashit) 6 levels of gameplay with accurate collision physics
*Tower of Hanoi* (/gupta-shantanu/macroflash-hanoi) Customizable difficulty and graphic UI
*Pacman* (/gupta-shantanu/macroflash-pacman) User controlled player with 6 levels of gameplay
*Tic Tac Toe* (/gupta-shantanu/macroflash-tictac) 3 level difficulty with final level being unbeatable, 2 players also supported
All aforementioned applications are coded on *Macromedia Flash 8.*

### Web Crawler
This crawler ran on a headless server for weeks, fetching millions of entries from career sites.
*Github Link:* /rohitmanglik/scrap_careers

### IMDB scrapper
Parses internet movie database and fetches ratings for given movie displays movie poster.
Github Link: /gupta-shantanu/dumpcode

### pyHoroscope
Contributions to a small open-source project: pyHorosocope (/tapasweni-pathak/pyhoroscope) a *Flask* based *REST API* to fetch horoscope as JSON. Deployed on Heroku cloud platform.

### Others
*C language* CLI games like ASCII-snake and DOS-piano, *Visual Basic 5* apps like guessing game, chess clock timer

I hereby declare that the above information is accurate to the best of my knowledge.

shantanugupta.sg@gmail.com