

# Abhinav Anand

<https://abhinav.herokuapp.com>

[abhinavanand1905@gmail.com](mailto:abhinavanand1905@gmail.com) | +91 8461077468 | [github.com/ab-anand](https://github.com/ab-anand)

## EDUCATION

### DUAL DEGREE, IT

INDIAN INSTITUTE OF INFORMATION  
TECHNOLOGY GWALIOR  
Expected 2020 | Gwalior, MP

## SKILLS

### PROGRAMMING

Python  
Javascript  
SQL, C++

### MACHINE LEARNING

Regression  
Support Vector Machines  
Naive Bayes  
K-Nearest Neighbors  
Decision Trees  
Image Processing

### SOFTWARE/FRAMEWORKS

Flask, Django  
PostgreSQL  
MySQL, SQLite  
AWS, Heroku  
Git and Github

## LINKS

Github:// [ab-anand](#)  
LinkedIn:// [abhinavanand003](#)  
Medium:// [@abhinavanand1905](#)

## COURSEWORK

### UNDERGRADUATE

Operating Systems  
Data Structures  
Computer Networks  
Database Management  
Analysis of Algorithms  
Internet Security  
Cryptography

## EXPERIENCE

### GRABON | DATA SCIENCE INTERN

Jun 2017 – Aug 2017 | Hyderabad

- Built a **Chatbot** to engage public interaction with the products and activities of the organization
- Used **DialogFlow** by Google for **Natural Language Processing** and **Flask** for the backend.
- The chatbot would provide relevant coupons as desired by the users.

## THESIS/B.TECH PROJECT

### DEMAND PREDICTION FOR E-COMMERCE ADS USING DEEP LEARNING | May 2018 - July 2018

- Developed a model to predict the **Demand Selling Probability** of products on an E-commerce platform.
- Used baseline **Machine Learning** methods and **Deep Learning** techniques. Pre-processed dataset containing **1.5 million text data and images**.
- Extracted features like **variance, avg pixels, colors, Blurriness** from images. Used **Bag-of-words, word embeddings** to extract features from text.
- Developed an **API in Flask** and a web interface to use the model.

## PROJECTS

### BRUNO

- A **Speech Recognition** based **automation tool** written in Python like Cortana to automate commonly performed stuffs.
- Users can automate tasks like listening to some songs on YouTube, searching on the web, basic mathematical operations, weather news, etc.,

### SPACESHIP

- A implementation of classic **arcade game** Space Invasion using simplegui.
- simplegui is similar to Pygame, used for making graphics in Python.

### IMAGE SEARCH ENGINE

- An image search engine using **OpenCV** in Python using **Chi-Square** distance metric to compare image histograms.

### STOCK PRICE PREDICTION

- Google's stock price prediction using **Recurrent Neural Networks**.

### AUTODEL

- A desktop software with **Enhanced deleting speed**. It can delete thousands of files from a folder in the blink of an eye.
- The GUI was created using **Tkinter**(GUI Programming library) in Python.

### SCRIPTS

- Multiple **Automation** and **Scrapping** scripts with **Selenium** and other tools written in Python and JS.

### VOCAB-BIRD

- An online Thesaurus using Flask, Bootstrap, MySQL to find word meanings, synonyms, examples.
- Users can also save the relevant words to their libraries for later use.

### TWIPY

- A **social media** like Twitter in it's earlier days using **Flask, Bootstrap, SQLite**.
- Users can read/write tweets and can follow/unfollow others.