

Shikhar Agrawal

codershikhar@gmail.com (8087320403)

Summary

- A Computer Engineer graduated from Maharashtra Institute of Technology, Pune and having experience in developing state-of-the-art projects and leading teams towards success.
- Result oriented, self driven, highly motivated, smart and hungry to learn new technologies, methodologies, strategies and processes.

Technical Skills

- | | |
|--------------------|---------------------|
| ★★★★★ • Python | ★★★★★ • Flask |
| ★★★★★ • Java | ★★★★☆ • OpenCV |
| ★★★★☆ • C / C++ | ★★★★☆ • NLTK |
| ★★★★☆ • HTML / CSS | ★★★★☆ • Tkinter |
| ★★★★★ • Angular | ★★★★★ • Sklearn |
| ★★★★★ • Arduino | ★★★★☆ • AWS |
| ★★★☆☆ • ELK Stack | ★★★★★ • Firebase |
| ★★★★★ • Ionic | ★★★★☆ • Spring Boot |
| ★★★★★ • TensorFlow | ★★★★★ • SQL |
| ★★★★★ • Keras | ★★★★★ • MongoDB |
| ★★★★☆ • Docker | ★★★★☆ • JavaScript |

Work Experience

JUL'18-PRE ENGINEER TRAINEE AT CLSA

- Skills Used : Java, SQL, MongoDB, Angular, Elastic Stack (ELK), Spring Boot, Python, Machine Learning.
- Have been working on multiple projects such as building a chat bot for IT support team that can broadcast messages and control group chat activities and a replay tool for one of the in-house applications using real time logs.
- Also worked on many full-stack applications and Machine Learning Projects.

NOV'17-JUN'18 PART TIME JOB AS AI DEVELOPER AT ENG PVT. LTD.

- Skills Used: Python, NLP, SQL, MongoDB, Java Spring Boot, Angular
- Developed a full stack application powered by Machine learning. This is a candidate profiling application which searches the best candidate from a pool of resumes for a given job profile.

JUN'17-PRE FINAL YEAR PROJECT

- Team Size: 3
- Problem Statement: Enabling Nao Robot to Detect Gestures using Image Processing.
- Skills Used: Python, OpenCV, Tensorflow, Computer Vision
- Project Type: Funded by IBM through University Company relations.
- Project Guide: Dr. Mrs. V. Y. Kulkarni (Designation: H.O.D. of Computer Department)
- Demo Link: <https://youtu.be/2XsCl3uW7Tk>

JUL'18-PRE ANDROID GAME

- A 2D game (Angry Dragons) inspired from flappy bird but had much more to it. It has levels and multiple stories to it. Built on Android studio using Java. The game is also live on google play store.
- Link to the Game (Play Store) : <https://goo.gl/pQZbsG>

JUN'16-DEC'16 SIGMA - SIGN INTERPRETING GLOVES MORPHING AUDIO

- Role Played : Team Leader (Team Size : 4)
- Skills Used: Arduino, Python, Signal Processing, BlueTooth, Embedded Sensor.
- Wearable gadget that detects gestures performed by humans and sends the data to computer or mobile devices then this data can be used for different purposes such as converting Sign Language into Speech, playing games, 3D modelling.
- Demo Link: <https://youtu.be/ZsoL6cJU1w8>

MAR'17-APR'17 EMOTION DETECTION APPLICATION

- Team Size: 2
- Application that can detect human emotions using live Audio, text and facial expressions. This application was developed as a project for IndiaHacks 2017 Hackathon organised by Hackerearth. We were in the top 15 among 7000 participants.
- Skills Used: Image Processing, Python, OpenCV, Tensorflow, Tkinter
- Demo Link: <https://youtu.be/QGmNIWI8KNU>

JUL'18-PRE

OFFLINE WALLET AND PAYMENT GATEWAY

- Team Size: 2
- Developed an Android Application similar to Paytm or Tez which has features of offline wallet and B2B transfer and used QR codes and BT technology.
- Demo Link: <https://youtu.be/8GMU6hCpdh8>

2016-2017

CHESS PLAYING ROBOT (INDIVIDUAL PROJECT)

- Skills Used: Arduino, Python, Java, Electronics, Mechanical Skills, Artificial Intelligence.
- Problem Statement: This is a robot which plays chess with human. It reads the move made by human computes a counter move, using Artificial Intelligence and makes the move.
- To know more about this project visit : <https://github.com/codersshikhar/Chess-Playing-Robot>

JAN'17-APR'17

SMART INDIA HACKATHON'17

- Role Played : Team Leader (Team Size : 6)
- Skills Used: Presentation, Python, and Machine Learning.
- Problem Statement: Monitoring mechanism for passenger throughput at various check-in counters and SHA at airports by AAI.
- To know more about this project visit: <https://shikharagrawal.github.io/>

Training and Certification

16,SEP'14-
14,NOV'14

C PROGRAMMING

Institute : Seed InfoTech
Grade : A+

8,DEC'14-
28,JAN'15

C++ PROGRAMMING

Institute : Seed InfoTech
Grade : B

FEB'16-
JUN'16

DIPLOMA IN JAVA

Institute : Mind Script
Training : IBM Career Education Program
Grade : B

Education

2014-2018

COMPUTER ENGINEERING

University of Pune
Maharashtra Institute of Technology
Aggregate - 64 %

2013-2014

CLASS 12TH CBSE

PCM - 93%
Total - 88.8%

2010-2011

CLASS 10TH CBSE

CGPA - 7 / 10

ONLINE PROFILES

- Competitive Coding: <http://hck.re/9XeOLE>
- GitHub: <https://github.com/codersshikhar>
- Online Portfolio : shikharportfolio.firebaseio.com
- LinkedIn: [linkedin.com/in/codersshikhar](https://www.linkedin.com/in/codersshikhar)
- YouTube Channel:
https://www.youtube.com/channel/UCur2TYfXh4MnFJizajX2g_A

ACHIEVEMENTS

- Finalist (Top 15) BrainWave Hackathon By SocGen
- Ranked 13 in Caavo Computer Vision Challenge
- Finalist (Top 15) IndiaHacks 2017 Hackathon
- Finalist in Smart India Hackathon 2017
- SemiFinalist Baroda Finathon 2017 Hackathon
- Ranked Top 50 in HackerEarth Live Challenge - Code Arena (As of 3rd Sept 2017)

Strengths

- Good oral, written & presentation skills
- High tolerance of stress and enjoys responsibilities
- Action-oriented and result-focused
- Lead & work as a team in an organized way
- Good time management skill
- Patient and self aware.