

SAGAR KHATRI

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EDUCATION

Aligarh Muslim University
B.Tech. Computer Engineering 2019
CPI - 9.399

Aug. 2015 - June 2019

EMPLOYMENT

BIS Research, *Python Backend Intern*

Oct. 2018 - Current

1. Collected data from various websites using Python, Selenium and BeautifulSoup.
2. Build Dynamic crawler that search the rating of a company on various websites.
3. Build a Flask based API that integrate all the crawlers.
3. Extracted Different data points from pdf using Python, PyPdf and regex.

String Pvt. Ltd., *Software Developer Intern*, Aligarh

June 2017 - July 2017

1. Automate Database backup task and other tasks through python scripts using Google location and drive API's.
2. Automate testing task through python scripts using selenium web driver.
3. Learned the basics of MVC based Python-Django framework.

SKILLS

PROGRAMMING SKILLS: Python, Java, C++, Machine Learning, Linux Experience

TECHNOLOGIES: Pandas (Python), OpenCV (Python), Django (Python), Scikit-learn (Python), Selenium

DATABASE: MySQL

PROJECTS

University Polling Portal using Blockchain

Sept. 2018 - Current

A portal providing voting privileges to bonafide students of the university based on blockchain, to be installed in the university to automate the voting process in the student union election.

Sudoku Grabber and Solver using OpenCV in Python

Aug. 2017 - Nov. 2017

Developed a Python based desktop application which take the image of a sudoku grid as an input, extract the sudoku grid from it using machine learning and computer vision techniques, solves the sudoku and displays the solution of the sudoku.

Diagnose-hack36

Build a Flask based web application that accept photographs through the web-cam and predict the problem with the face. We used Tensorflow for image classification using the inception v3 architecture, that allowed us to perform Deep Learning on datasets that we got from using a selenium web driver based crawler that extracted images from Google Images.

Open Source Softwares

Contributed to Chapel, a Parallel Programming Language.

- 1) Wrote a Destructor of list library which free the allocated memory resources.
- 2) Update count function in chapelArray library that increase the performance.

Also wrote a proposal to develop Distributed Data Structure Library as Google Summer of Code project.

ACHIEVEMENTS

Competitive Programming

Around 1000 Competitive Programming problems solved based on data structures and algorithms on platforms including Hackerrank, Codechef, Spoj, Hackerearth, etc.

CodersBit, *InterviewBit*

University rank 1 and national rank 125 out of 30,000+ participants.

ACM-ICPC

Qualified for the regional of International Collegiate Programming Contest at Amritapuri 2016-17 and 2017-18.

Facebook Hacker Cup 2018

Qualified for second round of Facebook Hacker Cup 2018 and secured 869 rank.

Airtel Crack the Code

Secured 41 rank out of 10,000+ participants.

TCS CodeVita 2017

Qualified for the second round of TCS CodeVita 2017 and secured 158 national rank in second round.

Codechef Open Programming Contest - GST January SRM

First rank in GST January SRM, an open programming contest on codechef.

NPTEL - NATIONAL PROGRAMMING APTITUDE TEST

Scored 91 percentile in National Programming Aptitude Test Organized by NPTEL

Certificate URL: https://npat.nptel.ac.in/npat_2017/certificate?id=116583521826472527241

Inter University Programming Contest

Represented college at Inter University Programming Contest held at LNMIIT, Jaipur and secured tenth rank.

College Programming Contests

Secured podium positions in various college level programming contests.

ACTIVITIES

Hack'36, Participant-Final Round Qualifier

Annual hackathon organized by MNNIT Allahabad.

HackDTU '17, Participant

Annual hackathon event organized by DTU, Delhi.

ZARF'18 Annual College Fest, Web Co-Coordinator

Developed and deployed fest website.

Competitive Programming Bootcamp

I am a part of online competitive programming bootcamp organised by Coding Blocks.

Current

AMU-OSS

I am a part of collaborative OSS community in college having 20-25 members.

Programmers' Forum

A part of "Competitive programming" team of Programmers' Forum and organized many algorithmic based programming contest at college level.

Current

Summer Training

Six Week Summer Training from DUCAT NOIDA on "JAVA".

Conference

Attended a conference on open source software organized by WikitoLearn at LNMIIT, Jaipur.