

# Akshat Shukla

akshat1118@gmail.com | 7424906202

## EDUCATION

### IIT, KHARAGPUR

#### BTECH IN COMPUTER SCIENCE

2022 | Kharagpur, WB

CGPA: 9.28/10

## LINKS

Github: [iakshat](#)

LinkedIn: [akshatshukla](#)

Website: [akshat](#)

## COURSEWORK

Programming and Data Structures

Algorithms - I & II

Machine Learning

Deep Learning

Artificial Intelligence

Scalable Data Mining

Operating Systems

Probability and Statistics

Linear Algebra

## SKILLS

### PROGRAMMING

Languages

C • C++ • Python • JavaScript • Java •

NodeJS • HTML/CSS

.

Frameworks/Libraries

Numpy • Pandas • PyTorch • OpenCV •

Spark • BeautifulSoup • ReactJS •

AngularJS • Django • Express with

NodeJS • Selenium

.

Systems/Platforms

Docker • Linux • Git • CICD Tools •

CodeClimate

## POSITION OF

## RESPONSIBILITY

### PRODEX | CORE TEAM MEMBER

Aug 2018 – Oct 2020 | IIT Kharagpur

- Worked in a team of 10+ on three fronts –Solution Ideation, Product Design, and Website Management
- Mentored a team of 12 Freshers for Open IIT Product Design conducted by TSG, IIT Kharagpur
- Developed a website for internal team management and assignment allocation

## EXPERIENCE

### SPRINKLR | PRODUCT ENGINEERING INTERN

May 2021 – June 2021 | Gurgaon, India

- Modeled a code analysis and debugging tool using Codeclimate and Docker
- Developed a framework for effortless edits and additions to code quality rules
- Integrated code quality tool with company's CI/CD pipeline for automatic quality improvement reports on Gitlab
- Optimized the tool to reduce code quality check runtime by approximately 94%

### NIROG | SOFTWARE DEVELOPMENT INTERN

April 2020 – June 2020 | Bengaluru, India

- Worked in a team of 3 to develop Virtual Disinfection Management System
- Modeled a web interface to allow clients to access live locations of sanitation devices and areas covered with a complete history of disinfection orders
- Developed a Python script to group multiple location points of sanitation devices from IoT to get an area data point for optimized storage

### REVAL ANALYTICAL SERVICES | DATA SCIENCE INTERN

April 2021 – May 2021 | Pune, India

- Executed creation of mapping for each client firm with their competing firms
- Extracted HTMLs of 10-K filings of firm's client-companies using BeautifulSoup
- Processed extracted HTMLs to filter out text under 'Competition' and performed POS Tagging on extracted text
- Retrieved the direct competitor names and associated industry segment for further mapping to client-companies on the database

## PROJECTS

### BUG DE-DUPLICATION | UNDERGRADUATE RESEARCH

July 2021 – Present | IIT Kharagpur, India

Prof Soumen Chakraborty | Prof Animesh Mukherjee | Prof Pawan Goyal

- Working on an algo to de-duplicate bugs for softwares like Ubuntu, Open Office
- Improved data scrapers reducing the data collection time from 7 days to 3 hours
- Modeled smart sampling strategies for 100 billion+ bug pairs to obtain optimal analysis scores and learning curves for model.
- Implementing multiple Deep Learning based strategies to aggregate and de-duplicate bug reports using their BERT embeddings

### PRISTINE PRODUCTS | SELF PROJECT

July 2020 – October 2020

- Developed an e—marketplace for products only from Startups to boost sales
- Created all basic functionalities for the site including add to cart and wishlists
- Ensured redirection to amazon pages of all products in the cart on checkout
- Implemented a scraper in Python to include products of desired companies from Amazon's and Myntra's site with their product details

## AWARDS AND ACHIEVEMENTS

2018 AIR 225

JEE Advanced among 2.5 Lakh candidates

2018 AIR 260

JEE Mains among 1.2 million candidates

2018 National Finalist

Aditya Birla Group Scholarship

2017 top 0.1%

Kishore Vaigyanik Protsahan Yojana (KVPY) Fellow

2017 National Finalist

Indian National Chemistry Olympiad (INChO)