

# LAKSHAY ARORA

@ lakshayarora1@gmail.com

☎ (+91) 9643991885

in lakshay-arora-la

🔗 lucky-119

🔗 lucky-119.github.io

## EXPERIENCE

### Software Engineer

Cisco

Bangalore, India

📅 Jan 2020 – Present

- Initially joined as a Intern and was converted to a full time Software Engineer in the Webex Calling Division. Later, switched to the Data team of the Webex Contact Center Divison and was promoted to Software Engineer II
- Developed features within the data pipeline that supported real-time processing of events through Kafka and Flink, storing them in Elastic Search and querying through GraphQL endpoints
- Developed full stack features that included building the frontend using Angular, the backend apis using Springboot and adding queries in SQL
- Worked on a Security initiative where we implemented burst filters in our log4j framework which reduced the possibility of DNS attacks by 67%
- Developed an Automation Framework based on Cypress for our UI application that reduced the manual testing effort of the team by 80%

### Data Science Intern

Sopra Steria

Noida, India

📅 May 2019–June 2019

- Developed a relationship model using machine learning for clustering patent datasets using LDA model, Kmeans, Hierarchial clustering and Tf-Idf

### Software Development Intern

Simbiotik Technologies

Selangor, Malaysia

📅 May 2018–June 2018

- Developed a full stack application for a sporting company to connect coaches and students using MEAN stack

## PUBLICATIONS

### Evaluation of Product Reviews Using Deep Learning Classifier Models

IEEE Conference Paper

📅 October 2022

- Accepted in IEEE International Conference on Computing, Communication and Networking Technologies (ICCCNT)

### Prediction of Telecom Churns and Consumer Behaviour using Recurrent Neural Networks

IJEAT Research Paper

📅 April 2019

- Published in International Journal of Engineering and Advanced Technology (IJEAT) - ISSN: 2249 – 8958, Volume-8 Issue-4 (April 2019) ©Blue Eyes Intelligence Engineering & Sciences Publication

## PROJECTS

### Guess What - Pictionary App

Webex Embedded Application

📅 July 2021 – August 2021

- Developed a Pictionary Game Application that can be embedded into Webex meetings using the Webex Embedded Apps Framework

## EDUCATION

### B.Tech in Computer Science Engineering

Vellore Institute of Technology

📅 July 2016 – June 2020

9.54 CGPA

### 12th Standard

Delhi Public School Indirapuram

📅 April 2015 – March 2016

92.8%

### 10th Standard

Global Indian International School, Kuala Lumpur, Malaysia

📅 April 2013 – March 2014

10 CGPA

## SKILL SET

### Technologies

Natural Language Processing

Artificial Intelligence

Machine Learning

Big Data Processing

Image Processing

Social Network Analysis

Web Mining

App Development

Full Stack Development

### Programming

Java

C/C++

Python

HTML

CSS

Javascript

PHP

Angular

Typescript

NgRx

RxJs

NodeJS

SQL

MongoDB

Cypress

Selenium

Kafka

Kubernetes

Elastic Search

Flink

Git

TensorFlow

Keras

Springboot

JUnit

GraphQL

## HONORS & AWARDS

### Connected Recognition Award

Cisco

📅 2020 – 2022

- Received connected recognition award for exemplary work during the voicemail group initiative, developing security features for reducing vulnerability by 80% and getting certified as a brown belt security ninja

### VITEEE Scholarship Award

VIT University

📅 2016 – 2020

- Received a yearly tuition scholarship of Rs. 50000 from 2016-2020 for securing 5000 rank in the VITEEE Entrance Examination.

---

## Movie Recommendation System

### Machine Learning

📅 June 2021 – July 2021

- Developed a Movie Recommendation System using Correlation on MovieLens kaggle dataset.

---

## iDocToc Video Calling Portal

### Full Stack Application

📅 June 2020 – December 2020

- Developed a video calling portal during Covid to connect doctors and patients using AWS Chime SDK

---

## Relational Model on Patents

### Natural Language Processing

📅 May 2019 – June 2019

- Developed ML based Relational Models to cluster different datasets of patents using LDA model, Kmeans, Hierarchical clustering and Tf-Idf

---

## Alexa Based Harassment Detector

### Natural Language Processing

📅 January 2019 – April 2019

- Built a NLP based Harassment Detector using Feed Forward Neural Networks and integrated it within Alexa as a skill

---

## Face Detection Software

### Image Processing

📅 January 2019 – April 2019

- Developed a Facial Detection System using OpenCV that implemented Haar Cascade and LBPH algorithm

---

## Twitter Analytics Tool

### Natural Language Processing

📅 January 2019 – April 2019

- Developed a Twitter Analytics Tool that analysed tweets and performed Sentiment Analysis on the tweets

---

## Credit Card Fraud Detection

### Machine Learning

📅 August 2018 – September 2018

- Developed a ML model that could detect credit card fraud using Naive Bayes and Adaboost on the credit card kaggle dataset

---

## Bounx Sporting Website

### Full Stack Application

📅 June 2018 – July 2018

- Developed a full stack sporting software to connect coaches and students using MEAN stack.

---

## Checkmate Application

### Full Stack Application

📅 Jan 2018 – April 2018

- Developed a full stack chess application using NodeJs by following the SDLC Process using Agile Methodologies
- 

## SOCIAL WORK

---

### Covid Ambulance Volunteer

Cisco

- Volunteered to help find ambulance services for needy people during Covid

### Educational Volunteer

GraceHomes

- Volunteered to educate students in the orphanage

### Core Committee Member

Anokha NGO

- Educated middle school students in the nearby orphanages

### Member

GIIS Interact Club

- Spearheaded social campaigns such as food donations

## COURSES & CERTIFICATIONS

---

### Azure Fundamentals

Microsoft

### Cisco Brown Belt Security Ninja

Cisco

### Algorithms on Graphs

UC San Diego

### Data Structures

UC San Diego

### Introduction to Software Testing

University Of Minnesota

### Introduction to HTML5

University Of Michigan

### Natural Language Processing in TensorFlow

Deeplearning.ai

### Machine Learning with Python

IBM

### Applied Machine Learning in Python

University Of Michigan

### Parallel Programming in Java

Rice University

### Single Page Web Applications with AngularJS

John Hopkins University

### A developer's guide to the Internet of Things

IBM

### Applied Social Network Analysis in Python

University Of Michigan

### Fundamentals of Network Communication

University of Colorado