

ANMOL MITTAL

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EDUCATION

University of Southern California

Master of Science in Computer Science

August 2021-May 2023

Los Angeles, California

Guru Gobind Singh Indraprastha University

Bachelor of Technology in Computer Science & Engineering : CGPA: 8.71/10

August 2016-May 2020

New Delhi, India

TECHNICAL SKILLS

Languages: Java, C++, Python, HTML5, CSS, JavaScript, Dart, SQL

Frameworks/Libraries: Springboot, React JS, Ant Design, Material UI, MVC, Docker, Hibernate, REST, Liquibase, Flutter, Pandas, Numpy

Developer Tools: IntelliJ, Jira, Confluence, AWS, Eclipse, Android Studio, MySQL

Technologies: Web Development, Machine Learning, Data Science, Linux, Windows, GitHub

EXPERIENCE

Appdesk Services

September 2020-July 2021

Software Development Engineer

Gurugram, India

- Collaborated on a Full Stack Web Development Project; Next-generation Cloud-based data Annotation tool reduced manual annotation labor by 80%, following CI/CD pipeline methodology.
- Reported in a distributed scrum team to tech-lead and product manager from the US and China, including a team from Indeed.com.
- Constructed backend and frontend components for the tool, majorly related to work quality control; reduced work review cost of employee by 95%, based on algorithmic design and efficient storage techniques to automate and quantify human performance.
- Designed a factory site-management app with Dart, Flutter; increased labor productivity by 30%.

JK Tyre and Industries

June 2019-July 2019

Technical Intern

New Delhi, India

- Optimized time table of sales officers by 20% to increase sales by utilizing heuristic programming, data analysis and visualization, on official sales data provided by the company.

Centre for Development of Advanced Computing

June 2018-July 2018

Summer Research Intern

Noida, India

- Modeled two projects, titled "Data Analysis on Cybercrime Motives" and "Detection of Phishing Websites"; designed a recommender system to locate areas with less cybercrime in India, manipulating official NCRB data.
- Publication: AIJRSTEM and presented in NCITEM, C-DAC, Noida.

GITS India Solutions

June 2017-July 2017

Software Engineering Intern

New Delhi, India

- Devised a project for the identification of suspected financial fraud in the company's flagship parking project 'V Park'. Increased probability of searching monetary fraud by 85%

PROJECTS

Firearm Detection using Computer Vision and Machine Learning

May 2020

- Developed a model for identification of firearms and knives through static images and live video. Achieved accuracy of 99% on images and 97% on video related dataset.

Insurance Fraud Identification using Computer Vision and IoT

December 2019

- Identification of crop fields and field fires through ML techniques and satellite images.
- Attained model performance of 0.94 (out of 1).
- Publication: Elsevier Procedia Computer Science.

Hand Gesture Recognition using Image Processing and Feature Extraction Techniques

November 2019

- Hand gestures recognition of American Sign Language using different ML pipelines to achieve maximum accuracy.
- Publication: Elsevier Procedia Computer Science.

LEADERSHIP AND INVOLVEMENT

Edited the Technical Magazine and Newsletter of CSE Department as part of core team. (2 Years)

Organised several Codesprints, bootcamps and technical events for students with CSE department and Hackerearth.

Taught Data Structures and Algorithms in Java as Teaching Assistant at PepCoding. (6 months)

Taught Mathematics and English in a juvenile drug de-addiction center. (7 months)