Amritanjali

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EDUCATION

Sant Longowal Institute of Engineering and Technology — Sangrur, Punjab
B.Tech in Electronics and Communication Engineering — CGPA : 9.36/10 — *Aug. 2017 – May 2021*

EXPERIENCE

Software Engineer Intern — Feb 2021 Present
NCR Corporation — *Hyderabad, Telangana*
- Currently working on a Banking Project.
- Tech Stack: Angular, JavaScript.

Deep Learning Intern — Jul 2020 – Oct 2020
Tata Consultancy and Services — *Hyderabad, Telangana*
- Worked on FACTS 7.0 (Fingerprint Analysis Criminal Tracing System)
- Implemented Research Paper, Used Candidate Analysis to detect the location of core and delta of Fingerprint, U-Net Architecture for training the model to improve the accuracy (achieved 98 percent).
- Trained YOLO v5 on the custom dataset. Tested the output with existing fingerprints data.

PROJECTS

Smart India Hackathon ISRO ○ | *Python, Keras, TensorFLOW* — Dec 2019 – Jun 2020
- Developed an algorithm to detect clouds in INSAT3D and INSAT3DR satellite images, predicted the next cloud frame in the sequence and location of cloud in subsequent images using ConvLSTM and Optical flow Algorithm.

E-Yantra: A Robotic Competition of MHRD ○ ○ | *C++, V-Rep, Atmel Studio* — Oct 2018 – Mar 2019
- Built an AI based bot that carries objects from one place to another using the shortest path in the given arena and avoids the obstacles on the way using **Dijkstra Algorithm** to find the shortest path and Atmega 2560.

Collaborative Shopping ○ | *ReactJS, Node.js, SocketIO* — Dec 2020 – Jan 2021
- Developed a platform to provide a real shopping experience where users can video call, share screens and chat to discuss the product they want to buy. User can view the product in the chat room and give their feedback.

ACHIEVEMENTS

- **Codechef** handle: amrit5 (maximum rating 1870+), Qualified Snackdown 2019 up to 2nd stage (top 1.3 percent)
- **LeetCode** handle: amritanjalidubey (3 star)
- **Hackerrank** handle: amrit5 Problem solving Advanced certificate and 4500+ points in problem solving, International Women's Day Coding Contest 2021 World rank 8.
- 1500+ problems solved on different platforms, top five percent in many Competitive Programming Contests.
- Qualified Google Code Jam, Travel Transforms 2021 Expedia (top 10), Qualified Code Divas BNY Mellon, American Express techgig, top performer of NCR Corporations CodeWars 2020, TCS Codevita (top 0.6 percent), Infosys (HackWithInfi top 300), Qualified hiring contest of Compass, Goldman Sachs.
- **Hackathons:** SIH19 Dr Reddy (Grand finalist), SIH20 ISRO (Grand finalist), Myntra WeforShe hackathon ○
- **Training:** Android App Development (built an Android App to post articles)

TECHNICAL SKILLS

Languages: C/C++, Python, SQL (MySQL)
Machine Learning and Computer Vision: Sklearn, Keras, CNN, ConvLSTM, NLTK, OpenCV, Optical Flow
Android App Development: Java
Web Development (beginner): HTML, CSS, React, Node.js

POSITION OF RESPONSIBILITY

SSDC: Tutor (Subject: Data Structure, Algorithm, OS, DBMS and Computer Network) and Problem setter.