

HARSH SHOKEEN

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ABOUT ME

I am a research and coding enthusiast, I like exploring things out of my jurisdiction. I am comfortable with both individual and group tasks. Moreover I have a keen interest in Developing and Machine Learning.

EDUCATION

Bachelor's of Computer Science, KR Mangalam University May 2019 - June 2023
Cumulative Grade: 8.4/10 or A+

High School, The Air Force School March 2007 - April 2019

SKILLS

Technical Skills Python, C++, Git, HTML/CSS, Docker, Machine Learning, Nvidia CUDA

Soft Skills Time management, Ownership of Task, Adaptability, Humorous

WORK EXPERIENCE

Technical Content Engineer C++ May 2022 - Sept. 2022
GeeksforGeeks *NOIDA, UP*

- Worked on various STL, OOPS and DSA based C and C++ code.
- Authored an interview questions [article in GeeksforGeeks](#) comprising of all necessary concepts
- Worked on docker and kubernetes articles by writing and amending the code.

Machine Learning Researcher Aug 2021 - Dec 2021
Springer Healthcare *New Delhi, DL*

- This technique was applied for the COVID-19 pandemic to identify patients at high risk, their death rate, and other abnormalities.
- The work I done assesses the risk of COVID-19 disease in a patient by applying various machine learning algorithms (VGG19, MobileNetV2, DenseNet201, CapsNet201, COVID-Net, CoroNet and VGG16) for classifying the images of normal human lungs versus lungs affected by viral pneumonia due to COVID-19.
- Test results confirm that the VGG16 algorithm achieved the highest (97percent) accuracy as compared to other implemented ML algorithms.

Project Manager Intern May 2021 - Aug 2021
Osmosiss India *Gurugram, HR*

- Made the first ever launchable app for Osmosiss india startup by developing Splash Screen and Overall application layout.
- Integrated APIs of Google, Facebook, LinkedIn, Razorpay, Twitter and Firebase for database for better functioning and management.
- Successfully launched the application to both Play Store and App Store for international usage.

Gurugram Police Cyber Security Intern Jun 2021 - Jul 2021
Haryana Police *Gurugram, HR*

- Analyzed and worked on a variety of use cases and case studies involving fraud and crime in the cyber-tech realm today, such as social media crime, email crime, and so on.
- Raise awareness about how an individual can deal with a crime by giving numerous options for reporting and filing complaints.

- As a frontend developer, I have experience working as a junior software developer, specializing in HTML and CSS. I have a proven track record of designing, building, testing, and deploying software applications and features with a strong focus on creating visually appealing and user-friendly interfaces.
- I have gained valuable insights into the industry, understanding how to leverage HTML and CSS effectively to meet user requirements and deliver exceptional frontend experiences.

PROJECTS

DeepFaceDrawing: Deep Generation of Face Images from Sketches Creating realistic human face images from scratch benefits various applications including criminal investigation, character design, educational training, etc. Fine-tuned pretrained models and optimized the architecture to enhance the quality and realism of the generated face images. Successfully generated high-fidelity face images from sketches, demonstrating the effectiveness of the DeepFaceDrawing system.

Technologies used → CUDA 11, Python 3, Generative Adversarial Networks (GANs), CNN

Packages Used → PyQt5, Jittor, CV2, numpy, Scipy

BuzzFeed Built an iOS/Android Mobile Application for my University's Transport Department in which including everyone from Professor to students can use my application to get their University's bus feed and remove that MORNING CHAOS. This project also won an award.

Sudoku Solver Developed in C++ to learn more about DSA and used backtracking approach, stochastic (random-based) algorithms for optimised solution.

EXTRA-CURRICULAR ACTIVITIES

- Got the **Best Final Year Project Title** for year 2023 for DeepFaceDrawing
- In State Level CBSE Science Exhibition I secured **1st position** and was promoted to National Level where I secured 6th position.
- Secured **2nd position** in Inter-University Basketball Competition for 3 consecutive years 2019-2022
- Secured **1st position** for 2 years 2021,2022 in 4x100m relay race
- Western Air Command freestyle Swimmer

LEADERSHIP

- University Basketball Team Captain 2021-2022
- Senior Member of Computer Science Club of India
- NCC 'A' certificate