

# ADARSH SINHA

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## OBJECTIVE:

Dynamic and results-oriented machine learning engineer with a solid foundation in computer science and a Bachelor's degree. Proven track record of translating data into actionable insights, adept at addressing intricate challenges, and crafting innovative solutions with real-world impact. Dedicated to excellence in leveraging advanced analytics and machine learning methodologies to drive business efficacy. Seeking a rewarding opportunity within a multinational corporation to further enhance expertise, refine skills, and contribute significantly to organizational success in computer and software development.

## EXPERIENCE

- SDE-1 @Proeffico Solutions** **AUGUST 2023 - PRESENT**
  - **Skill Set Used:** Proficient in Python, utilized for backend development, data manipulation, and machine learning applications.
  - Collaborated seamlessly with cross-functional teams, playing a pivotal role in creating a recommendation system for personalized content delivery, enhancing user engagement by 15%.
  - Spearheaded the development of a cutting-edge Generative AI chatbot, showcasing my expertise in artificial intelligence and my commitment to pushing the boundaries of technology using Python.
- SDE-Intern @TechLadd** **JANUARY 2023-JULY 2023**
  - **Skill Set Used:** Proficient in Python, utilized for backend development and machine learning applications.
  - Actively involved in the design, coding, and testing phases of a collaborative project management web application, resulting in a streamlined workflow and improved team productivity.
  - Immersed in various aspects of software development, gaining hands-on experience in front-end technologies (HTML, CSS, JavaScript) and back-end technologies (Node.js, Express).

## EDUCATION

- Bachelors of Engineering in Computer Engineering (B.E) 2020-2023  
*Thapar Institute of Engineering and Technology - Punjab, India*  
*One of the top ranking engineering college in India(NIRF - 20).*
- Diploma in Computer Engineering 2017-2020  
*Sri Sairam Polytechnic College - Tamil Nadu, India*  
*Affiliated through Anna University board(One of the most respected boards from Tamil Nadu).*
- 10<sup>th</sup> Class CBSE 2016  
*Ralli International School- U.P. , India*

## SKILLS

- **Programming Languages:** Python, Java, Basics of C & C++, C#
- **Database:** SQL, MySQL, MongoDB
- **Web Development:** HTML, CSS, JS, React JS, Node JS
- **Version Control:** Git/Github, Atlassian.
- **Operating systems:** Windows 10/11, Basic Linux.
- **App Development:** Flutter
- **Cloud:** AWS, azure, GCP.
- **General:** Tableau, MATLAB

## ACADEMIC PROJECTS

- Medical Image Fusion Using Improved PCNN Final Year B.E. Capstone Research Project - 2022
  - Administered a team of four to develop software to combine multiple medical images such as the ones from MRI, CT, X-Rays, and sonography into a single composite image.
  - Designed to facilitate reliable and accurate medical imaging-based diagnosis.
- Educational Development General Environment Platform-EDGE Final Year Diploma Project - 2020
  - Led a team of five to build a model software module using .NET which offers an easy and effective solution to admins of computer labs in schools, colleges, cyber cafes, etc. for monitoring device usage while restricting their misuse.

## PERSONAL PROJECTS

- Pose Detection  
A basic pose detection model using the Bottom-Up approach and tools like TensorFlow and TensorFlow hub libraries
- Generative AI  
A Generative AI chatbot which is built using META's Llama model on a LLM.
- Character script-based discord chatbot  
Project aims to develop a chatbot that can respond using various character styles and scripts.  
Chatbot is trained as per your user's movie script preference.
- Chateo Complete React Native Chat App  
A cross-platform chat app developed using React Native.  
Designed to provide a seamless chat experience with an intuitive and user-friendly interface.
- Optical Character Recognition  
An API based on EasyOCR model helps to identify any characters written through a camera or video.

## CERTIFICATIONS

- Data Structures in Python by Coding Ninjas
- STEM Connect by Deloitte
- Building Transformer-Based Natural Language Processing Applications by NVIDIA
- Getting Started with AI on Jet-son Nano by NVIDIA
- Foundations: Data, Data, Everywhere by Google
- Udemy: Full Stack Web Development

## POSITIONS OF RESPONSIBILITY

- Led a team of four in final year's Capstone Project (Medical Image Fusion) and collaborated with the professor to write and publish a research paper.
- Successfully led a team of five members in our diploma's final year project, the E.D.G.E Platform, which resulted in us securing the 1st position at the "Create 2020 Tech Expo."
- Managed multiple events and community works during bachelor's and diploma.