Arun

BE CSE Student

I With fluency in languages like Python and Java, I excel in adapting to new technologies swiftly. I bring hands-on experience in managing both relational and non-relational databases. My skill set extends to crafting dynamic client-side interfaces using React, complemented by a strong command of JavaScript, CSS, and HTML. Analytical and solution-driven, I thrive on tackling complex challenges. My passion lies in creating intuitive, user-friendly designs that enhance the overall experience. I'm eager to leverage my technical versatility.

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EDUCATION

BE CSE
Chandigarh University
2021 - Present,
7.49 CGPA

Intermediate(CBSE)
S.V. International School
2020 - 2021,
78.4%

Matriculation(CBSE)
S.V. International School
2018 - 2019,
84.4%

ACADEMIC ACHIEVEMENTS

- A grade in DSA, DBMS.
- Distinction in Discrete Mathematics by Nptel.
- 2nd runner up in Lensathon.
- Among top 1% student in probability and statistics exam by Nptel.

INTERPERSONAL SKILLS

Problem solving| Team leadership| Decision Making
Management and coordination| Self-Confidence

COURSES & CERTIFICATION

- Introduction of Python By Coursera
- Data Visualization Using R By Coursera
- Team Management Skills by Coursera
- Excel/VBA basic
- Data science using R(VAC-36 Hrs)
- Probability and Statistics from Nptel(top 1%)

INTERNSHIP

Internship at INTEL (2 months)

- During my two-month internship at Intel, I delved into the realm of machine learning, gaining hands-on experience in the development and application of machine learning models.
- With a dedicated team, I used Orange to extract valuable insights from complex datasets, contributing to Intel's data-driven decision-making processes.

SKILLS

Python | Java | HTML | CSS
Javascript | React | C programming
SQL | DBMS
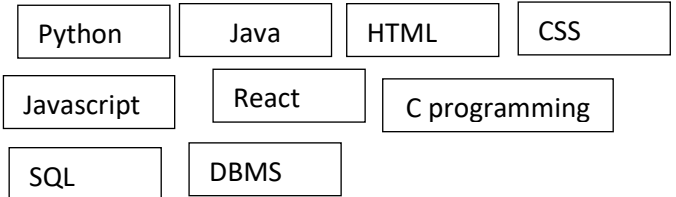
PERSONAL PROJECTS

Automated video creator bot using AIML and python

- Designed and implemented an automated video creator bot using AI technologies, resulting in an 80% reduction in manual video creation time.
- Created a video creation bot using AI to automate the creation of videos by adding music and quotes to image and make a video to upload to youtube channel.
- Images are generated using AI algorithms, which help to identify and track the objects in the image. Then audio clips are automatically analyzed, segmented and merged to the images to create a new video..

Hologram Projector

- Developed and implemented hologram projector technology to project realistic 3D images and visuals
- Utilized advanced optical and electrical engineering techniques to create a projection system that increased both image quality and stability by 60%..
- Redesigned the existing optical components and mechanisms to ensurethe systems were able to produce clear, colorful images with minimal energy consumption..

Image forgery detection using python and Machine learning

- Spearheaded a machine learning project for image forgery detection, leveraging Convolutional Neural Networks (CNNs) to develop a highly accurate detection model.
- Attained an impressive 95% accuracy rate, enhancing data integrity and digital media security, while showcasing proficiency in Python, TensorFlow, and OpenCV.
- Demonstrated deep learning expertise with practical application, highlighting leadership, technical skills, and a valuable contribution to image authentication and manipulation detection.

Research paper on skin disease detection using Machine learning

- Leveraged the K-Nearest Neighbors (KNN) algorithm for skin disease detection, emphasizing its simplicity and effectiveness.
- Demonstrated expertise in experimental setup, including dataset preparation, feature extraction, and model evaluation.
- Validated the KNN model's performance through key metrics such as accuracy, precision, and recall, confirming its suitability for medical image analysis.
- Charted a path for future research, including model refinement and real-world clinical validation, to advance skin disease detection using machine learning.