Ritik Gandhi

✉ ritikgandhi21@gmail.com   📱 +91 9893646728   in linkedin.com/in/ritik-gandhi   ⌨ github.com/RitikGandhi21

EDUCATION

B.Tech-Computer Science
Shri Govindram Seksaria Institute of Technology and Science, Indore

06/2018 - Present   *CGPA 8.77*

WORK EXPERIENCE

Summer Intern
Persistent Systems

06/2021 - 08/2021   *Pune,India*

Achievements/Tasks

- Working with the ML Team on Car Damage Detection and Insurance Claim.
- Responsible for figuring out the image blurriness and brightness using the Laplacian transform.
- Extracting and Reading license number plate using **Pytesseract**
- Developed **Resnet50** and **Densenet** models to detect the type of damage and it's severity.
- Identified and Localised the damaged car part using **YOLOV5.**
- Improved the accuracy of the model to close to 83%.

Frontend Web Developer
Techcoopers

05/2019 - 07/2019   *Indore,India*

Achievements/Tasks

- Developed a multi-page website using ReactJS and Redux state management.
- Deployed build automation using Jenkins.
- Applied Server Side Rendering, Material UI.

ACHIEVEMENTS

Smart India Hackathon Finalist (03/2020 - 06/2020)
For the project AgriSmart, under Department of Science and Technology(PR424)

Achieved the highest rating of 1739 and Expert on Codeforces (12/2020 - Present)

Achieved the highest rating of 2012 and 5 star on Codechef (09/2020 - Present)

National Talent Search Examination Scholar

SKILLS

`C` `C++` `Java` `Python` `HTML` `CSS` `Django` `Bootstrap` `MySQL`

PERSONAL PROJECTS

IPL-STATS (01/2021 - 02/2021)
- https://github.com/RitikGandhi21/IPL_STATS
- Web App displaying all the player stats, team stats and giving it in the form user wants.
- Robust database design with appropriate constraints and triggers.
- Created batting stats views, bowling stats views, etc. to reduce retrieval time.
- Implemented 2 triggers to update relevant tables upon addition of new data.

Wikipedia Search Engine (10/2020 - 11/2020)
- https://github.com/RitikGandhi21/Wikipedia-Search-Engine
- Search engine built to perform Free Text query and Field Search Query.
- Indexes the data dump and uses **tf-idf**(term frequency-inverse document frequency) scoring to return and rank the titles of the documents, which match the search query.
- search engine returns the top "K" document titles of the documents relevant as per the search query.

Jarvis Desktop AI Voice Assistant (02/2020 - 03/2020)
- https://github.com/RitikGandhi21/Jarvis-Your-Desktop-Assistant
- Created a desktop voice assistant using **pyttsx3** which is a text-to-speech conversion library in Python.
- Built the take command function which allows Jarvis to take microphone input from user and return a string.
- Implemented certain tasks like searching,speaking date and time,send E-mails and play music.

Vehicle Service Management (07/2019 - 07/2019)
- https://github.com/RitikGandhi21/Vehicle-Service-Management
- Web App for mechanics and customers for different vehicle services.
- Customers make requests for services and check status, invoice details and give feedback.
- Mechanics can view the tasks assigned, status of service, vehicles repaired etc.