

Ninad Chaudhari

Software Engineer



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WORK EXPERIENCE

IBM

Global Remote Mentorship (GRM) Program

September 2020 - February 2021

- Developed a suitable noise adding mechanism for Differentially Private Random Forest (DPRF) algorithm used for categorical classification of heart disease problems increasing the models accuracy by 8%

PROJECTS

KrishiMitra (Farmers Portal)

- Built a full stack web portal that connects Farmers to Customers directly, eliminating the middlemen. Farmers can signup and create their own shop, set prices for their products, and manage orders from customers.
- Conceptualized and designed relational database schemas based on the outcomes of requirement elicitation techniques.
- Developed the farmers side (frontend + backend) of the application
- Tech Stack Used : JavaScript, SQL, HTML/CSS, Bootstrap, PHP
- Link : <http://ninadchaudhari.epizy.com/Farmers/index.php>

DreamJobs (Job Portal)

- Worked alongside a team of 3 to develop a web application to improve college placement process. Companies can signup and post their jobs and students can filter jobs based on skills and apply to them.
- Implemented user registration, login and authentication system using cookies, bcrypt, session and json web tokens (JWT) improving the security of the application
- Built RESTful APIs that served data to our ReactJS frontend based on user inputs
- Designed NoSQL database for the application
- Tech Stack Used : ReactJs, NodeJs, ExpressJs MongoDB (MERN stack)

NRDY (Song Recommender)

- Built a web app that recommends songs to users based on content and collaborative based filtering.
- Built recommender API for the backend using Flask
- Extracted details/features like acousticness, danceability, loudness, duration etc. of over 200k indian songs using Spotipy (spotify api) and performed EDA to find useful features
- Tech Stack Used : TF-IDF, Python, Flask, Jinja, HTML/CSS, JavaScript, scikit-learn

SKILLS

- C/C++
- Java
- Python
- SQL (MySQL)
- NoSQL (MongoDB)
- Machine Learning
- Javascript (NodeJS, ReactJS, ExpressJS)
- HTML5/CSS
- Flask

EDUCATION

Bachelor of Technology Computer Science

Vishwakarma Institute of Technology

August 2018 - current

Pune

CGPA: 9.3

IEEE DataHack (Machine Learning Competition) : 9th place

Publication : "Speech Emotion Recognition and Sentiment Analysis based Therapist Bot" in 3rd International Conference on Inventive Research and Computing Applications IEEE Xplore.

RELEVANT COURSES

- Database Management Systems
- Object Oriented Programming (C++)
- Data Structures
- Computer Networking
- Operating Systems