Harshit Pandey

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EDUCATION

SAVITRIBAI PHULE PUNE UNIVERSITY
Computer Engineering
2017 - 2021
CGPA: 9.08

CITY INTERNATIONAL SCHOOL
2017 | CBSE
Percentage: 84.8%

PAWAR PUBLIC SCHOOL
2015 | ICSE
Percentage: 87%

LINKS

Github:// blackrosedragon2
Google Scholar:// harshit-scholar
LinkedIn:// hpandey

SKILLS

PROGRAMMING

Programming Languages:
• Python • Java

Frameworks:
• Pytorch • Spring Boot • Node Js • React Js

Tools and Technologies
• Git • Postgres/RDBMS • Docker • AWS

Uncategorized Skills
• NLP • Computer Vision • Machine Learning • Data Science

SOFT SKILLS

• Great Communication Skills • Team Leader • Consistant with Work

ACHIEVEMENTS

IEEE National Gov-TechThon: One of the top 20 teams from task-1
Smart India Hackathon: Team lead of the top 6 teams from internal hackathon.
Departmental Project Competition: Got first place in best departmental project.

CERTIFICATIONS

• Full Stack Development - Udemy
• Deep Learning Specialization - Coursera

EXPERIENCE

MERKLE SOKRATI | Software Design Engineer
Feb 2020 - Aug 2020
- Creation of **full stack** applications, with technologies such as **Redis**, **React**, **Node JS** and **Postgres** with **authentication** and security layers.
- Worked on **Automation Scripts** for Business Analysts.
- Creating design flows for complicated software.
- Worked on **CRM software** such as **VTiger**, by fixing issues, adding customizations as well as **custom workflow scripts**.
- Carry out quality assurance tests to discover errors and optimize usability.

PUBLICATIONS

DRIFT | EMNLP
Apr 2021 – Jul 2021
A **popular Open Source tool** for Diachronic Analysis of Scientific Literature. The application offers user-friendly and customizable utilities for two modes: Training and Analysis. The application supports **customizable training** of diachronic word embeddings with TWEC model along with a **variety of analysis methods** to monitor trends and patterns of development in scientific literature. Check out the **code here**.

RECAM | SEMEVAL
Sep 2020 – Feb 2021
Given a fill-in-the-blank-type question and a corresponding context, the task is to predict the most suitable word from a list of 5 abstract options. We experiment with **pretrained MLM models**, adding certain **linguistic features** to improve task performance. Check out the **code here**.

TOXIC SPANS | SEMEVAL
Dec 2020 – Feb 2021
Given a passage, the task is to mark the spans of text that are toxic. We perform **intensive ablative analysis** testing the existing methods and adapting them for this task. We then tried out various combinations and **achieved good results** for this task. Check out the **code here**.

SPOTIFY'S INFORMATION RETRIEVAL CHALLENGE | TREC
June 2020 – Feb 2021
Given transcripts of **100,000 podcasts** (15+ GB of Data) we were tasked to predict the top 1000 relevant results from a user's query. We surpassed the baseline by a significant amount, using **BM25, a traditional IR technique** with **XLNet Regression, a transformers based** approach.

PROJECTS

SUPERPIXELS | ICONLP
Mar 2021 – May 2021
Using **hybrid model** that leverages **CNNs** and **Graph Neural Networks** to deal with relational **superpixel information** in the image, we observed an **increment in accuracy** on most datasets that were tested. Check out the **code here**.

Alternative Crop Recommendation System
Oct 2020 - Oct 2020
Created an end-to-end website application **(MERN Stack)** for farmers that recommends alternative crops with **machine learning models**, given multiple factors based on location and soil conditions.