Harshit Omar

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EDUCATION

National Institute of Technology, Tiruchirappalli Tiruchirappalli, TamilNadu
Master of Computer Application , CGPA : 7.81 *Jul. 2020 - Jun.2023*

CSJM University, Kanpur Kanpur, UP
Bachelor of Computer Application , Per. : 75.58 *Jul. 2017 - Jun. 2020*

ACHIEVEMENTS

- Secured AIR 30 in NIMCET (All India NIT MCA Entrance Test)
- Secured AIR 1 in UPSEE MCA Entrance Test
- Secured 1st Rank in City level Mathematics Tournament conducted by Arth Academy in 2018

EXPERIENCE

Postgraduate Research Assistant July 2022 – Present
National Institute of Technology, Tiruchirappalli *Tiruchirappalli, Tamilnadu*

- **Spam detection using NLP** helps us to check the messages whether this is spam or not.
- Analysing the behavior and properties of spam and legitimate messages using **TF-IDF, Word Cloud, Bag of Words** in the selected dataset to check the SMS using Classification Algorithms.
- Used **Naive Bayes, Random Forest, Support Vector Machine Algorithms** for classifying the messages and got 97% accuracy.

PROJECTS

Notes Sharing Web Application :/ *HTML, CSS, Bootstrap, Django, SQlite*
- A student can upload any notes, pdf's on the portal and see and download any notes from the portal which is shared by other students. Students can also update their profiles after creating the account.
- There is a Sign in and Sign up option too. First a student will create an account and then login with same credentials.
- Admin will prove the notes uploaded in portal whether it is complete or not or it is already uploaded or not.

Learning Hub: / *HTML, CSS, Bootstrap, JavaScript, pHP, MySQL*
- Developed a learning portal for a school level students where they can achieve free education.
- There are 3 models in this project – Admin, Teacher, Student.
- Developed a student model where students can take class and download the notes shared by the teacher.
- Student can also see the question and answer paper in the portal.

Trip Planner: | *JavaScript, Bootstrap, HTML, CSS*
- Developed a Shortest Path Finder between a number of Nodes/cities
- Made use of Graph Algorithms and implemented to be a scalable system.

TECHNICAL SKILLS

- **Languages: C/C++ , Python, SQL**
- **Frameworks: Django, Bootstrap,**
- **Web Technology : HTML , CSS , JavaScript**
- **Libraries : NumPy , Pandas , NLTK**
- **Others : Linux , Git, VS Code**

ORGANIZATIONS

- **Member** – Event Execution Committee , VERSION'21, NIT Trichy
- **Technical Head** – WebTeam, NIT , Trichy
- Member of ACM Student Chapter , NIT , Trichy

INTERESTS

Object Oriented Programming, Data Structures, Operating System, DBMS, Cricket, Chess