Rahul Ranjan

CONTACT INFORMATION

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ABOUT

As a Computer Science Under-Graduate with experience in Computer Programming (coding) and familier with wide range of IT Applications & Softwares and has a keen interest in Machine Learning and Artificial Intelligence. As an initiator and task oriented team worker seeking for a position in a good and recognised Organisation to develop and enhance my skills.

INTERESTS

Machine Learning,Natural Language Processing, Image - Processing, Databases, Computer Networks, Web development, Android Application Development.

PUBLICATIONS

[1] **Finding out the needy one from Tweets : An analysis using #kerelafloods***
Dr. Navanath Saharia, Rahul Ranjan +
Submitted to 30th International Conference on Contemporary Computing and Informatics (Gurgaon, India), 2018
* Paper Submitted and Accepted , yet to be published.
+ Names of authors sorted alphabetically by first name.

EDUCATION

Indian Institute of Information Technology Manipur   August 2016 – present
Imphal, Manipur, India
Bachelor of Technology in CSE(BTech)   (SPI(c) 8.55/10.0)
3rd year (5th Sem) under-graduate

G.C.S.S College, Purnia, Bihar, India   May 2014 – August 2016
Secondary School   (Marks(%) 76/100)

Indian Public School, Purnia, Bihar, India   May 2012 – August 2014
High School   (CGPA 10.0/10.0)

PROJECTS

Finding out the needy one from Tweets : An analysis using # kerelafloods

- The Project was built in Python which extracts tweets from the twitter and proper pre-processing is done.
- The hastags were extarcted to do do further analysis and pictorial representation to make the system more useful.
- For the Purpose of Clustering and Topic Modeling, the K-Means clustering algorithm and Latent Dirichlet allocation model was used which gave the expected output.
- A graphical user interface is made which displays all data ,in order to make this Project accessible to users.
- This Project is made in order to help NGOs, Government agencies to help People in kerala during this distructive flood situation.

Building and Using Comparable Corpora for Machine Translation
- The project was "Building and Using Comparable Corpora for Machine Translation".
- The Work was to make a Parallel Corpus from Comparable Corpus obtained from wikipedia dumps for Hungarian- English Language.

- Proper Sentence alignment and preprocessing of data was done and SVM, Logistic Regression and Random Forest Classifier was applied on the training and testing data to achieve a better accuracy of the model.

Sentiment Analysis for racist/provocative words identification from Tweets
- The Project was developed in Python in order to reduce cyber bullying by identifying tweets which contains provocating and racist words.
- In this project I collected tweets,analysed and splitted the data into 70%-30% for training and testing data respectively.
- The pre-processing of the obtained data was done properly .
- Logistic Regression was used to calculate the f-score and other predictions to get the better results.

Chat-Bot (College Enquiry)
- A chat-bot is also called as Talk-bot which works as it takes some text as input and searches for that pattern in the database and returns the result as text on the display (web-page).
- NLP libraries and tools were used to accomplish this project.
- Postgresql is used as the database for this project and Project was implemented in python.

Appointment management system
- The proposed system was built as Android Application which will read the received messages from android device and extract the date and time or words like tommorow , yesterday,etc. from messages.
- The Application will Store these time and dates in the database and manage appointment calendar for you.
- Before one hour of the event and at 9:00 AM on event date the system will send alert/notification.

Library Management System (For IIIT Senapati)
- This Project was to design IIIT Senapati (Manipur) complete website with new features as Library Management (Student's login, Teacher login, Admin's login) and forgot password using SMTP email authentication many other new features .
- The library Management Allows IIIT Senapati (Manipur) community to access the Library remotely.
- The Project was developed using PHP,HTML,Bootstrap,CSS,Java Script.
- Built Training and Placement Cell Website of IIIT Senapati (Manipur)

Blog-Website (BlogShare)
- This is my first website which was made during my 1st year summer-vacation (completed in 3 months) with the help of CMS and other tools (HTML, CSS, JS, PHP).
- This website (BlogShare) contains News (Entertainment News,Sports News,Technology News,Interesting Facts), Shopping coupons (Deals),Travelling coupons,and many more features.
- For more details: `https://blogshare.000webhostapp.com`

Laser Security Alarm
- This project was implemented during 2nd semester as Academic Project.
- This Project was designed in order to ensure more security to IIIT Senapati (Manipur).
- This project includes LDR (which increases and decreases its resistance on amount of light falling on it), resistance and majorly a speaker.The LDR and laser-light is placed parellely at a

certain distance and when any object comes in between laser-light and LDR ,then it produces security alarm.

My Kitchen (An Android Application)
- My Kitchen is an Android Application which can used to order food items and can be used to check different food stuffs, go through details.

- Using it one can place order for Foods.The application has Login, Register, add to cart, order summary details,bill generation,etc.

PROFESSIONAL EXPERIENCE AND ROLES

Indian Institute of Techonology BHU (IIT BHU),
Varanasi, U.P. , India.   May 2018 - July 2018
Summer Research Intern
- The project was "Building and Using Comparable Corpora for Machine Translation" and my work was to build a Parallel Corpora using Comparable Corpora to make it useful for Machine Translation.

Internshala, Imphal, Manipur. India.   September 2017 – March 2018
Internshala Student Partner
- I am an Internshala Student Partner in my College and I am the face of Internshala in my College. I have organised many seminars regarding Power of Internship and helped many Students in grabbing internships in different fields.

IMAD (Hasura)- IITM, Imphal, Manipur. India.   November 2017 – February 2018
Campus Ambassador & Remote Instructor at IIITM
- I am the Course Instructor and Event Organiser of IMAD (Hasura) at IIITM regarding Introduction to Mobile Application Development.

TECHNICAL SKILLS

Programming and Scripting Languages: C, C++,Java , Python, SQL, HTML, PHP, Shell Scripting, CSS, Java Script,Django.
Operating Systems: Windows, Linux, Mac OSX
Tools/Softwares:OpenCV, Scilab, NLTK, Android Studio,Yalign,Hunalign,Lex or Yac LaTeX, MS-Office, Libra-Office, Eclipse/Netbeans ,Adobe Photoshop,Spider,Visual Studio Code,Atom.
Database Tools/CMS: Oracle,Lex/YACC MySql, MS-Access, PgAdmin3, Wordpress, Drupal, Jhumla.

AWARDS AND ACHIEVEMENTS
- Rated Programmer for Competitive Programming on Codechef and HackerEarth.
- Got 3 Summer Internship Offer from IIT (in 2018) to Work in the field of NLP & Machine Learning.
- Ranked 12th in India in English Essay Competition organised by GK Today Magzine among 12000 Students

- Ranked top 5 in district in Senior Secondary and in top 100 among approx 0.1 million students.
- Got Certificate of Excellence from Google and FICCI on Digital Marketing (Search Engine Optimisation.)
- Rewarded for developing Assistant Application for Google Assistant and Amazon Alexa.

RELEVANT COURSES
Data Structure, Algorithms, Operating System, Computer Networks, Databases, Computer Architecture, C Programming, Unix Programming, Automata Theory, NLP, Discrete Mathematics,Compiler Design,Theory of Computation,Data Communications,Cloud Computing,Distributed System, Economics.

WORKSHOPS &
TRAININGS

- Got certified for attending & learning ten days complete workshop on Machine Learning Using Python organised by IIT Guwahati.
- Got certified for attending & learning ten days complete workshop on Signal Processing organised by IIT Guwahati.
- Attended complete online training on Digital Marketing organised by Google & FICCI.

- Attended complete workshop on NLP (Natural Language Processing) organised by IIT Guwahati.
- Attended 8 days workshop on Android Application Development organised by IIT Guwahati and E & ICT Academy.
- Attended workshop on Cloud Computing organised by NIT Manipur and RoboClub.
- Attended and certified complete workshop on C/C++, Linux, Java & LATEXorganised by IIT Bombay under Spoken Tutorial Programme & also got certification of excellence on successful passing the online exam.

HOBBIES

Competitive Programming, Editing wikipages, Playing(cricket, badminton, football), Watching Documentries & Movies(funny, horror, science fiction).

MORE ABOUT
ME

Visit this: `http://rahulranjan.eu5.org`

OR

Visit this: `https://goo.gl/brj9bj`