

Abhishek Chauhan

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OBJECTIVE

To be a part of a growing organization that offers learning opportunities and career growth prospects and in turn, contribute effectively to its expansion by applying the knowledge acquired during my academics.

ACADEMIC DETAILS

Degree/Course	Institution	Year of Graduation	Percentage / Grade
Bachelor of Technology (Information Technology)	National Institute of Technology, Patna	2019	7.68
Intermediate	Modern Vidya Niketan, Sec-17, Faridabad	2015	94.6%
Matriculation	D.A.V Public School, Ballabgarh	2013	10

PROJECT WORK

Title: Open, Offline, Scalable Content Delivery Network called OpenRAP

Details: Working on this project to provide an offline CDN solution that aims at providing e-textbooks to rural areas and government schools where internet connectivity is not significant while also encouraging the smart education system

We plan to break the project into parts:

- Frontend written in react-js
- Backend written in node-js to provide scalability
- Making available different SDKs such as Search SDK, File SDK for different use cases
- Plugin code to extend the CDN's features

Technology Used: Node-js, React-js, Golang

Title: Support Vector Machine (SVM) based Sentimental Analysis on Twitter

Details: Working on project to achieve Sentiment Analysis on twitter using SVM, Maximum Entropy classifier and Naïve Bayes. The aim is to model and track the public sentiment on twitter tagged with each popular event, such as election, global warming etc.

We plan to break the project into parts:

- Collect the dataset tagged with specific placeholder
- Pre-process the data to separate foreground topics effectively and removed the noisy data
- Sentiment label assignment using SVM
- Tracking of sentiments over period of time and interpret the public sentiment variations

Technology Used: Python, Scikit-Learn

Title: Online Review Ranking system

Details: Worked on summer project of ranking the online reviews about products on e-commerce websites. The algorithm looked at Grammar Analysis, Sentiment Analysis, Credibility Analysis, Relevance Analysis, Authenticity Analysis and the age to compute a cumulative weight for each review. This score can be used to display relevant reviews to a user browsing the product. Reviews which fail to attain a minimum threshold score or reviews submitted by a particular user regularly assigned low scores, the user can be blacklisted for fake/bot-generated review.

I plan to extend this work further with single layer Back-Propagation Neural Networks to achieve self-correction using the feedback loop.

Technology Used: Python, TensorFlow

Title: Patient Billing Software

Details: Implemented a patient billing software which allowed for users to Register, Sign-in, Bill and checkout the patients. The system also allowed for inventory management of various beds and other hospital resources. The system was based on concepts of Object Oriented Modeling.

Technology Used: Java,

FIELD OF INTEREST

- Competitive Coding - A regular on coding platform like HackerRank, HackerEarth and CodeChef. I enjoy competitive coding and like to stay
- Artificial Intelligence - I have a keen interest in Artificial Intelligence which I follow via reading through various articles on Wired, Digit, and Medium. We are offered Soft and evolutionary computing course this semester which I have taken and plan to execute a project related to the same.
- Algorithm Design and Data structure

SKILLSET

Languages:	C, C++, Java(core), SQL/PLSQL
Platforms familiar with:	Linux (various distributions), Windows 98/XP/Vista/7/10
Database Management Systems:	Oracle 10g, MySQL
Programming Environment:	vi, Eclipse, VS code
Web Development	HTML, CSS, JavaScript, Node-js, React-js
Version Control	GitHub, GitLab

ACHIEVEMENTS

- Got AIR-13 in NASA Science Olympiad at district level in 2007
- Codechef: Overall Contests Rating 1566 with highest rating 1479 in October Lunchtime 2017: <https://www.codechef.com/users/mrabhishek>
- HackerRank: 91 percentile in algorithm section: <https://www.hackerrank.com/mrabhishek>

EXTRA-CURRICULAR ACTIVITIES	
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- Participated in Entrepreneur quiz held at NIT-Patna and were Runners Up.
- Participated in the Android App Development workshop held at IIT-BHU
- Participated in Intel AI workshop held at NIT-Patna

DECLARATION	
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I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.

Abhishek Chauhan