

Hammad Haleem

CONTACT INFORMATION	B-111 Jamia Enclave, Near Tikona Park Jamia Nagar, New Delhi 110025	+91-8130528635 (mobile) hhaleem@connect.ust.hk Github.com/hammadhaleem
EDUCATION	Hong Kong University of Science and Technology, Hong Kong <i>MSc. Information Technology, 2014–2015</i> Jamia Millia Islamia, New Delhi <i>B.Tech, Computer Engineering, 2010–2014</i> Aggregate SPI: 9.36/10 Courses taken: Data Mining, Compiler Design, Data Structures, Databases, Computer Architecture, Operating Systems, Computer Networks, Algorithms, Parallel and Distributed Systems, Object-oriented Programming, Computer Graphics Kalka Public School, New Delhi Senior Secondary School, Class XII <i>CBSE, 2010</i> Apeejay School, New Delhi Secondary School, Class X <i>CBSE, 2008</i>	
PUBLICATIONS	Frequent Pattern based Probabilistic Model for Effective Classification of Web Documents <i>Submitted for review</i> We developed a website classifier for classifying web documents using the frequent patterns present in any document. Improving Classification by Outlier Detection and Removal <i>Currently In Progress.</i> We designed a method for removing outliers in a dataset. This method uses the concept of vector distance to create a feature vector for a category and then remove those elements who are quite away from the feature vector. Effective probabilistic model for website classification <i>Lecture notes for Electrical Engineering, Springer, Published</i> Implemented a Website classifier based on naive based approach. The results of the classifier were quite encouraging. A New Chaotic Substitution Box Design for Block Ciphers <i>International Conference on signal processing and integrated networks, IEEE</i> We propose a method to synthesize an efficient 88 S-box. The reported results are compared and analyzed with existing state-of-art methods. A management scheme for Hierarchical mobile IPV6 <i>IJSDGE, Published</i> Proposed a new management scheme for Mobile IPV6.	
PROFESSIONAL EXPERIENCE	Fedora Project, Google Summer of Code 2014 <i>Google Intern</i> April 2014–August 2014 Design and develop a Web application and rest API that will be used to engage more contributors and guide them on how to contribute to fedora. Most of the work done in Python, Flask-web framework and Postgresql. National Informatics Center, Government's web services organization <i>Intern</i> May 2013–July 2013 Worked with the project Team of E-Office. Developed a Json API for discussion forum and search. Most of my work involved python as the primary language.	

Viraliti, Times Internet Venture

Intern

Aug 2012–Oct 2012

Viraliti is a TLabs funded advertising network on Pinterest. Work involved developing utility applications. Most of my work revolved around development in PHP, MySQL and Facebook Platform.

TCIL (Telecom Consultant of India Limited)

Intern

Jun 2012–Jul 2012

Worked in a team on Pan-e-Africa network which has been set and maintained by TCIL. Also worked on developing a tender management module. The module was developed in PHP, MYSQL and Linux platform.

CMC Limited, Subsidiary of TCS

Trainee

Jun 2011–Jun 2011

Learned about and worked on LAMP stack. Developed a blog module as a part of my project.

ACADEMIC PROJECTS

Pattern Discovery for text mining, Data mining

Develop a phrase based algorithm for identifying patterns in text document. We are using Reuters Corpus for testing and analysis of algorithm. The project was developed in python as primary language.

Large Scale Hierarchical Text Classification, Data mining

Worked on this project as a part of my undergraduate major project. Aimed at classification of documents present in large scale text hierarchies.

Automatic Probabilistic Website classifier, Data mining

We developed a naive Bayes website classifier for automatic website classification. The classifier achieved high accuracy of 92 percent. The project was developed in python as primary language.

FriendProfiler, Web Application

Developed a Facebook Web application that utilized the data available from the user's Facebook profile to provide the user with friend suggestions who are compatible with user's profile.

Multiplayer Game, Computer Networks, Computer Graphics

Developed a multiplayer snake game using the pygame framework. This game is rebuild of the popular mobile snake game.

File Sharing Application, Computer networks

Developed a file transfer program in Python while learning networking protocols and programming.

Book store, Databases, Web Application

Focused on implementing database concepts as well as managing SQL queries.

Farmer Help Services, Databases, Web Application, Cloud Telephony

This Web-Application was developed with aim of helping farmers in rural India. This application uses various visualizations and Cloud telephony to help farmers grow wisely.

HONORS, AWARDS, PARTICIPATIONS

- Won First prize at GSF hack India, One of the largest hackathons in India. Organized by GSF and investopad.
- Won Second prize at PeerHack. Hackathon organized by Knowlarity communications, a cloud telephony provider.
- Placed in top ten products at Angel Hack India.
- among the top ten in a Facebook application development contest Facebook Hackathon organized by KRDS in July 2012.
- won the first prize at a project exhibition during the Encomium'12–the annual festival of IEEE JMI chapter. Project presented was a study of electronic waste.
- Won 2nd Prize in Circuit Quiz Organized by the IEEE JMI Chapter
- Avid participant in several competitions
Including the Blackberry application development Hackathon (October 2012), Google Hack Jam (June 2012) and Google Dev Fest Delhi (October 2013).
- Participated in the Android Application Development workshop organized by ARK Technologies.

LEADERSHIP

Computer Society of India, JMI student chapter

Vice President

April 2013–April 2014

Work involves organizing several technical and cultural events throughout the year.

***Tangelo*, the JMI Annual Festival**

Technical Head

Sep 2012–Jan 2013

In charge of various technical events and the events' web portal.

TECHNICAL
SKILLS

Programming languages: C/C++, Python, PHP, SQL, HTML

Operating systems: Windows, Linux, Mac OS

Other: Apart from above these I have experience working with MongoDB, Postgresql, JAVA, Json, Facebook API, Heroku Platform, Python-flask Framework, Latex and Python-Django Framework.