

Moutupsi Paul

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I am looking for a position as a Software Engineer that best matches my skill set and explores my true potential

Education

- Aug 2012–Dec 2013 **MS in Computer Science**, *SUNY Stony Brook University*, Stony Brook, NY, *3.88/4*.
Courses: Analysis of Algorithms, Artificial Intelligence, Computer Networks, Machine Learning, Natural Language Processing, Words and Pictures (Vision and ML), Operating Systems
- Jul 2005–Jun 2009 **B.Tech in Computer Science**, *National Institute of Technology*, Silchar, India, *8.66/10*.
- Jul 2003–Jun 2005 **High School**, *Assam Higher Secondary Education Council*, Silchar, India, *84/100*.
Secured **8th position** among 100,000 candidates, **top scorer** in Physics

Experience

- Jun 2013–Aug 2013 **Intern**, *Microsoft*, Redmond, USA, Bing, Indexing and Knowledge.
Improve ranking and relevance of Related entities. Multiple data signals. Cosearch, Covisit user data, Knowledge bases like wikipedia, lastfm, Satori(Bing's knowledge graph). Improved relevance of various segments like Musicians, Movies, Movie Cast, Companies, Spouses etc.
- Sep 2011–Aug 2012 **Senior Software Developer**, *Samsung Electronics*, Bangalore, India, Common Services Framework, Smart Devices Networking.

Converge all smart devices of a user and enable seamless interaction. Enable a rich **recommendation system** for multimedia, web content and apps. Design and develop services that can collect data from user interfaces (**Android** hand held devices, **TV**, **Chrome**). Also contributed towards exchanging **XMPP messages** between server and client.
- Jun 2010–Sep 2011 **Software Engineer**, *McAfee India Pvt. Ltd*, Bangalore, India.
Performance Evaluation and Functional testing
- Jun 2007–Jul 2008 **Intern**, *Sun Microsystems*, India.
National Institute Of Technology, Campus Ambassador

Master's project

Semantic information in Word Embeggings

- Python, Java This project is done as a part of *Data Sciences Lab*, Stony Brook, under the guidance of Dr. Steve Skiena. This project deals with **Embedded semantic Analysis** and **Exploring Linguistics relations in Word Embeddings**.

Other Projects

Webpage Classification

- Python, Scikit framework Machine Learning class project. Explored different text based features like **ngrams** and non-text features like **hyperlinks**, **hypertext**, **neighbour links** etc. using classification technique like **Naive Bayes**, **SVM**, **semisupervised learning** on CMU's WebKB dataset.

Timeline Detection of Movies from Scripts

Java, Python This project explores text based features in a Movie script and successfully use them to identify which year the movie was produced. We mainly used **statistical** and **stylometric**(style of writing) based features to help classifier distinguish between movies in different era.

Face recognition using captions

Matlab In this project we exploited the caption associated with a photo to improve face recognition. We used a combination of facial features and NER. The main techniques used was clustering.

Computer skills

Programming Proficient in C and JAVA
Scripting Proficient in Python, Worked with C#, JavaScript, CSS, XML, HTML, MATLAB
OS Linux, Android, Windows
SCM Git
Others XMPP, REST, RDF (using Jena API)

Awards and Achievements

May 2010 Awarded **best performer** during **Aricent training program** PRISM, India.
May 2010 Awarded the **best project** (Tour guide, Symbian app, Python) during **Aricent training program** PRISM, India
Feb 2010 Graduate Aptitude Test in Engineering(**GATE**) (Nation-wide test, India) with **99.89** percentile.