

Anuparna Banerjee

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EDUCATION

The University of Texas at Austin

School of Information

Jan 2016 - Dec 2017

Master of Science, Information Studies, GPA 3.77

Relevant Coursework: Machine Learning, Data Wrangling, Concepts of Information Retrieval, Bayesian Statistical Methods, Statistical Learning, Convex Optimization.

Gujarat University, India

July 2005 - June 2009

Charotar Institute of Technology, Changa

Bachelor of Engineering, Computer Engineering, Eq. GPA 3.95

WORK EXPERIENCE

ExxonMobil Upstream Research Company, Spring, TX

June 2017 - Aug 2017

Summer Research Intern

- Text processing of patents and literature (journal articles) using mining tools and Python scripts to identify common corporate or academic affiliations.
- Geo-tagging internal proprietary collection using SQL Views, NLP principles.
- Implemented a novel feature to identify similar report titles across 86K reports using parallel processing.

Charles A. Dana Center, University of Texas at Austin, Austin, TX

Sept 2016 - Jan 2017

Graduate Research Assistant

- Configured and developed an internal web portal using Statamic CMS, PHP and Javascript.

BNP Paribas India Solutions Pvt. Ltd., Mumbai, Maharashtra, India

Dec 2013 - Dec 2015

Senior Software Engineer

- Designed and developed the *Lending and Borrowing* module representing the booking of Interest Rate Swaps.
- Implemented a technical solution for complete automation of trade related processes for listed securities.
- Developed unit tests with JUnit and TestNg framework.
- Developed user interfaces using Eclipse GUI, JSP with Ajax and Javascript utilities.

Tata Consultancy Services, Gandhinagar, Gujarat, India

Dec 2009 - Dec 2013

Systems Engineer

- Developed the *Taxpayer Returns Processing (TRP) Module* to enable end-users to file electronic Income-Tax Returns for some African governments (revenue authorities).

Tata Consultancy Services, Gandhinagar, Gujarat, India

Jan 2009 - June 2009

Software Intern

- Involved in various phases of Software Development Life Cycle (SDLC) of a *Hospital Management Information System* for The Health and Family Welfare Department (HFWD) of the Government of Gujarat, India.

PROJECTS

- Recognition of Textual Entailment
(Conducted under the guidance of *Dr. Matt Lease, UT Austin*)
Implemented an Attention based Long Short-Term Memory (LSTM) model with a test accuracy of 73% using a Deep Learning Python library, Keras with a Theano backend. ([Code](#))
Oct 2016 - Dec 2016
- Data Visualization of gender based employment information from different countries and their comparative analysis using Matplotlib and Pandas Python libraries. ([Code](#))
Oct 2016 - Dec 2016

PEER-REVIEWED WORKSHOP PUBLICATION

- **A. Banerjee**, S. Ojha, D. Gurari. "Let's Agree to Disagree: A Meta-Analysis of disagreement among crowdworkers during Visual Question Answering." *AAAI HCOMP Workshop on Human Computation for Image and Video Analysis (GroupSight)*, 4 pages, 2017 (Paper Accepted).

TECHNICAL SKILLS

Programming Languages: Java, Groovy, HTML, JavaScript, PL-SQL, XML, Matlab, Python, PHP

Technologies: EJB 2.0, JMS, JDBC, Servlets, JSP, Spring 2.5, Struts 1.1, Hibernate 3.5, Python Pandas

Web Servers/Application Servers: WebLogic 9.2, Tomcat 5.0

Database Technologies: Oracle 11g

Integrated Development Environment: Eclipse 3.x, JDeveloper 11g, Jupyter Notebook, JetBrains PyCharm

Methodologies: Agile

Source Control Management: CVS, SVN, Git

Massive Open Online course(MOOC) coursework: Machine Learning (Coursera)

LEADERSHIP AND ACTIVITIES

- Webcontent Manager of Association for Information Science and Technology - Student Chapter, University of Texas at Austin.

HONORS

- Received *Runner-Up Award* in the Programming event organized by Computer Society of India-Region III (Ahmedabad Chapter) Students' Convention - 2008.
- Received *Champions Of ILP Award* from Tata Consultancy Services - 2010.
- Received *On the Spot Award* for project performance - 2011.