

Devanshu Jain

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EDUCATION

UNIVERSITY OF PENNSYLVANIA

MSE in Computer and Information Science

Expected May 2018 | Philadelphia, PA

GPA: 4.0 / 4.0

Courses: Analysis of Algorithms, Machine Learning, Database and Information Systems, Computational Learning Theory, Software Systems

DHIRUBHAI AMBANI INSTITUTE OF INFORMATION AND COMMUNICATION TECHNOLOGY (DA-IICT)

B.Tech. in Information and Communication Technology

Grad. May 2016 | Gandhinagar, Gujarat, India

GPA: 9.79 / 10.0

Courses: Introduction to Artificial Intelligence, Information Retrieval, Operating Systems, Software Engineering, Introduction to Cryptography, System and Network Security

EXPERIENCE

UBER | Piper, Data Processing Platform

May 2017 – Current | San Francisco, CA, US

- Migrated task logging functionality from MySQL to Cassandra
- Updated Kafka log documents for better Elasticsearch indexing

AMAZON | Amazon Home Services - SDE Intern

May 2015 – July 2015 | Bangalore, India

- Implemented tool enabling sellers to crop images before upload
- Implemented widget displaying the location of seller stores using Nokia HERE map API

LINKS

Web Portfolio: <https://devanshujain.me>

Github: [devanshujain919](#)

LinkedIn: [devanshujain919](#)

Personal E-mail: devanshu.jain919@gmail.com

SKILLS

Languages: C, C++, Java, Python, R, Matlab, HTML, CSS, Javascript, PHP

Database: MySQL, PostgreSQL, Oracle, MongoDB, Cassandra

Frameworks: NodeJS, Django, Ruby on Rails, JavaFX

PUBLICATIONS

- D Jain, P Majumder DA-IICT Submission for PDTB-styled Discourse Parser. CONLL 2016 Shared Task.
- D Jain DA-IICT in FIRE 2015 Shared Task on Mixed Script Information Retrieval. FIRE 2015 Online Working Notes.
- D Jain Supervised Named Entity Recognition for Clinical Data. CLEF 2015 Online Working Notes. CEUR-WS

SELECTED PROJECTS

PENN CLOUD | Fault-tolerant Distributed Cloud Platform | April 2017 – May 2017

- Implemented front-end Load Balancer and multi-threaded TCP-based HTTP server with support for executing CGI scripts
- Implemented SMTP (with relay) and POP servers
- Implemented storage service to add, move, rename and delete files and folders.

CHAT SERVER | Distributed Chat System | Feb 2017 – March 2017

- Implemented pre-configured UDP-based distributed chat servers with functionality to login, set nicknames and chatrooms
- Implemented functionality to send messages in FIFO, causal and total order

OLYMPEDIA | Information website for Olympic Games | Oct 2016 – Nov 2016

- Implemented scripts to extract data from wikidata.org and populate the mongoDB collections.
- Implemented module to display players' personal information
- Deployed MySQL database on AWS RDS and Web App on EC2 instance.

SHALLOW DISCOURSE PARSING | CONLL '16 Shared Task | Jan 2016 – May 2016

- Implemented parser to extract Explicit as well as Non Explicit Relations based on Lin et.al. pipeline; F1 score: 0.11 in blind dataset

MIXED SCRIPT INFORMATION RETREIVAL | FIRE '15 Shared Task | Aug 2015 – Oct 2015

- Implemented tool to identify language of a word in code mixed data; weighted F-score: 0.804
- Implemented tool to retrieve mixed-script documents from a corpus at a given mixed-script query; NDCG@10 score: 0.7160

CLINICAL NAMED ENTITY RECOGNITION | CLEF '15 Shared Task | Feb 2015 – April 2015

- Implemented tool to identify clinical entities in a French medical document; F1 score: 0.67

DYNAMIC MEMORY ALLOCATOR March 2015 – April 2015

- Used explicit free list and next-fit algorithm to optimize search of free blocks of memory