Mukarram Tailor

Computer Science Undergrad, Indian Institute of Technology Mandi

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WORK EXPERIENCE

Google Summer of Code '16 — *Software Developer*

INTERNSHIP| April 2016 - August 2016

Worked with **Unitex/GramLab, France**. Developed a modular and extensible Integrated Development Environment for Natural Language Processing, integrating two existing softwares. Used Java and PF4J framework to extend the IDE functionalities via plugins.

ITS Planners & Engineers, Hyderabad— *Full Stack Developer*

INTERNSHIP| January 2016 - February 2016

Built a platform for a B2B marketplace for renting construction equipments. Developed backend API using Java servlets and MySQL. AngularJS framework was used for frontend. Deployed app on AWS.

Newgen Software Tech., New Delhi — *Backend Developer*

INTERNSHIP| June 2015 - July 2015

Developed a web application for Retail Loan Origination System automating end-to-end loan origination cycle. Used JSP for dynamic web pages and Java Servlets to implement the business logic.

MAJOR PROJECTS

Bird Segmentation from Images, Dr. A.D. Dileep

MAJOR TECHNICAL PROJECT | March 2016 - Present

Implementing and comparing various pattern analysis techniques including Gaussian Mixture Model, Support Vector Machines and Deep Learning to partition bird in an image.

Real-time Weather Prediction, Dr. Arti Kashyap

BIG DATA ANALYTICS WORKSHOP | March 2016 - April 2016

In a team of three, implemented ARIMA algorithm in Map-reduce framework to improve the speed and accuracy of weather predictions. Used Hadoop, Apache Spark. Received second prize at the workshop.

Computing Network Capacity Bounds, Dr. Satyajit Thakor

INDIVIDUAL RESEARCH PROJECT | August 2015 - January 2016

Improved design of algorithms to calculate functional dependence bound of Network Coding Capacity. Improvement was measured by simulations.

EDUCATION

B.Tech.(Hons.) CSE: IIT Mandi : 2013-17 : 8.57

XII : CBSE : 2013 : 89.4%

X : CBSE : 2011 : 10 GPA

SKILLS

Programming: Java(Proficient), C++(Proficient), Python(Intermediate), JavaScript(Intermediate), Scheme(Proficient)
Web-dev: HTML5, CSS, PHP, Java Servlets
Database: MySQL, Redis, Neo4J
Other: Java-EE Eclipse, MATLAB, Git, Shell, Hadoop, Apache Spark, Adobe Photoshop

POSITIONS OF RESPONSIBILITY

Main Coordinator, Exodia 15: Annual techno-cultural fest of IIT Mandi
Headed the Organising team of 24 coordinators and 50 student volunteers managing sponsorship, management, public relations, hospitality of the 3 day long event.

Coordinator, IIT Mandi Photography Club (Aug. 2015 – Feb. 2016)