Mourjo Sen

sen.mourjo@gmail.com | mourjo@mourjo.me
+91 98307 47541 | +91 91725 73349
http://mourjo.me/

EXPERIENCE & PROJECTS

HELPSHIFT Backend Software Engineer
October 2015 - present
- Working with powerful technologies – Elasticsearch, MongoDB, Redis, Apache Kafka, Nginx etc. hosted on AWS and codebase in **Clojure**.
- Wrote a seamless query-based **search engine** using **Elasticsearch** from scratch – with continuous improvements.

SPAM DETECTION IN TWITTER with Dr Arnaud Legout, Inria
April 2014 - August 2015
- Analyzing the **Twitter graph** to find a measure of "trust" based on users' activities and connections on Twitter, to detect spam behaviour.
- Using Twitter **REST APIs** and **Streaming APIs** to collect data.
- Followed with a 6-month internship on this topic funded by **Mircosoft Research**.

PET PROJECTS
February 2011 - present
- **Edusoc:** A web-based **social network for education** that promotes education by making it a social activity. Developed using **PHP** and **MySQL**. *github.com/vabh/EduSoc*.
- **JChirp**: A **Java wrapper** to access to the Twitter REST and Streaming APIs with authentication. *github.com/vabh/JChirp*.
- **Alienvation**: Developing a GUI game using **Java Swing** in which a player controls spaceships and fights against aliens. *github.com/mourjo/Alienvation*.
- **Reconnect**: A simple Python script to reconnect to a specific internet portal using **Selenium Web Driver**.
- A **Gmail webapp** to show statistics of a Gmail inbox. *github.com/mourjo/gmail-webapp*.

OTHER PROJECTS
July 2012 - January 2015
- **Scheduling virtual machines** in a simulated datacentre to meet the SLA, minimize energy consumption and maximize revenue. Used CloudSim framework.
- **AI game engine** in Java for the African game Oware.
- **CreatureSim:** A Java project to simulate an environment with **communicating independent agents** that move around, form groups, search for interest points and have real-time **plugin-based behaviour**.
- An **Eclipse plugin** to convert GUI-drawn **theoretical models** of computation to **runnable programs**. Implemented using the **Eclipse modeling framework**. *mourjo.me/emf.pdf*.
- Three research publications, two of which are **IEEE publications**.

EDUCATION

UNIVERSITÉ NICE
MS in Computer Science
2013 - 2015, Nice, France
– First Year:
  - Grade: 15.18/20 (**75.9%**)
  - Rank: **2nd**
– Second Year:
  - Specialization in Networking
  - Grade: 15.98/20 (**80.1%**)
  - Rank: **1st**

ST. XAVIER'S COLLEGE
BSc in Computer Science
2010 - 2013, Kolkata, India
Grade: 83.6% (**Rank 4th**)

AWARDS

Laboratory of *Excellence* (LABEX) scholarship of € 12,500 awarded by Labex UCN@Sophia for first and second year of MS.

PROGRAMMING

LANGUAGES & TOOLS
Proficient:
Clojure • Java • Elasticsearch • Emacs • Python • PHP • Git
Familiar:
C++ • MongoDB • Vagrant • Apache Kafka • LaTeX • Amazon EC2 • Shell Script • Selenium Web Driver • Tsung

LINKS

- github.com/mourjo
- linkedin.com/in/mourjosen
- smarterer.com/mourjo
- twitter.com/mourjo_sen
- quora.com/Mourjo-Sen
- facebook.com/sen.mourjo