

Nehil Jain

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EDUCATION

BITS PILANI UNIVERSITY

MSc. (HONS). MATHEMATICS

2008 - 2013 | Goa, India

BE. (HONS). ELECTRONICS AND

ELECTRICAL ENGINEERING

2008 - 2013 | Goa, India

LINKS

Github:// [nehiljain](#)

LinkedIn:// [nehiljain](#)

Twitter:// [@nehiljain](#)

COURSEWORK

GRADUATE

Graphs and Networks

Databases

Object Oriented Programming

Operational Research and Optimisation

ONLINE CERTIFICATIONS

Machine Learning: **Regression**, UW

Introduction to Big data, UCSD

Hadoop platform and application framework, UCSD

Data Manipulation in R with **dplyr**

Data Analysis in R, the **data.table** Way

Data Visualization in R with **ggvis**

Machine Learning, Stanford

SKILLS

PROGRAMMING

Over 5000 lines:

R • Python • SQL • Javascript

Over 1000 lines:

JAVA • SASS • PHP • SHELL

Familiar:

C++ • MongoDB • Node.js

INTERESTS

Tennis, Flute, Origami

EXPERIENCE

ATHLETIGEN | LEAD DATA ENGINEER

Oct 2015 – Present | Halifax, Canada

- Spearheaded data intelligence platform creation on AWS Stack.
- Developed web dashboard for genetic information used by ~16000+ people.
- Improved engagement of Pro-athletes by building daily wellness data collection and insights delivery app.
- Designed a cost efficient data pipeline using serverless infrastructure.

Skills: Python, AWS (Redshift, Lambda, EC2), SQL, R, d3.js, MongoDB, Js

DALHOUSIE UNIVERSITY | BIOINFORMATICS SOFTWARE ENGINEER

Nov 2013 – Sept 2015 | Halifax, Canada

- Developed **genewiseR package** to perform steps of genome wide association study.
- Implemented and executed data analysis pipeline for ~2 TB DNaseq data.
- Generated scientific reports about the categorical data test statistics.
- Administered data assets: migration, backups and aggregation effort between **research cluster and AWS Cloud**.

Skills: R (data.table, dplyr, Parallel, ggplot, ggvis, Rmarkdown, Roxygen), Python

MCGILL UNIVERSITY | RESEARCH TRAINEE

Jul 2012 – Aug 2013 | Montreal, Canada

Real-Time Emergency Response

- Programmed a **HTML5** web-app to help multiple emergency responders to collaboratively analyze, prioritize, and distribute live and stored data in real-time.
- Engineered **Android** app to stream MPEG2TS video from a disaster scene.

In Situ Audio Services (ISAS)

- Developed an **Android** port for ISAS app, compatible with >= Jelly Bean (4.1).
- Using **Human Centered Design principles**, designed an eyes free application to provide context and better sense of surrounding for the blind users.

Skills: Java (Android), Angular Js

BITS PILANI UNIVERSITY | TEACHING ASSISTANT

Aug 2011 – Dec 2011 | Goa, India

- Curated and taught Software Design for Portable Devices, a CS elective
- Received **Google Scholarship** for assistant-ship in the Android programming course

ACHIEVEMENTS

2013	2nd/300+	Mozilla Ignite Challenge
2013		McGill SURE program awardee
2012	2nd/40	IMI Next Big Idea challenge by MIT
2009	1st/10	National level Tennis tournament
2009	Finalist	Track-o-mania Robotics Competition