

# PAURUSH PRAVEEN

*Apply my knowledge and skills to design challenging and effective cutting edge solutions to engineer knowledge in health science.*

## **PRIVATE ADDRESS:**

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1040 Brussels (Belgium)

## **E-mail:**

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**NATIONALITY:** Indian

**RESIDENCE:** Belgium

## **LANGUAGES:**

English (C2), German (A2),  
Hindi (C2)

## **EDUCATION:**

**2010-2013: PhD in Bioinformatics**  
(Germany, Grade: Magna cum laude)

**2007-2009: MS in Life Science Informatics** (Germany, Grade: Gut (A))

**2002:2006: Bachelor of Engineering** (India, Grade: First Class with Distinction (A))

## **COMPUTER SKILLS:**

**Platforms:** WINDOWS, MAC-OS, UNIX, Azure, HPC systems

**Programming:** R, C, Python (Advance), MATLAB, Java, PERL, SQL, (Intermediate), SPARK (Beginner)

## **MACHINE LEARNING:**

Boosted Trees (GBM), SVM, Probabilistic Models, GLMs, Deep Learning, Clustering, Tensorflow

## **BIOINFORMATICS & STATISTICS**

Data (Clinical, Metabolomics, NGS microarray, proteomics etc.) analysis, Network modeling.

## **EXPERIENCE:**

**Dec 2015- Present:** Scientist at CLUEPOINTS SA (BELGIUM)

- Developing Machine Learning & Statistical methods for clinical data mining.
- R&D Project lead and management

**Sept 2013- Nov 2015:** Researcher at THE MICROSOFT RESEARCH-COSBI, (ITALY) in Computational Biology and Bioinformatics

- Developing Machine Learning approached for Omics data mining.
- Providing scientific & statistical analysis (NGS, gene expression etc.) consultancies to Health industry (Neural disease, cancer and nutrition).

**April 2010- August 2013:** PhD Research at BONN-AACHEN INTERNATIONAL CENTER FOR IT (GERMANY)

- Research on machine learning and data driven pathway inference with applications in Cancer Research
- Teaching assistant for Algorithmic Bioinformatics and Machine Learning for Masters level program.

**2008-2009-** Research Assistant (Bioinformatics) at FRAUNHOFER INSTITUTE FOR SCIENTIFIC COMPUTING AND ALGORITHM (GERMANY)

- Machine Learning, data/text mining (NLP), network biology (neglected diseases).

## **SELECTED TRAINING:**

**Deep Learning, CNTK and Azure:** Hands on training in deep learning and azure (Seattle, USA) [2017]

**Introduction to Artificial Intelligence:** Course based on STANFORD CS22 [2012]

**Certificate training in Bioinformatics** at IIT, Kharagpur (India) [2006]

## **PUBLICATIONS (Details in available here):**

**Book-1**

**Published Papers-7**

**Under review Papers-4**

**Coference Papers/Talks:** 8 (50 to 500 audience)

**Posters:** 7

## **MANAGEMENT EXPERIENCE:**

Lead Machine Learning project, interact with developers and team engineers

Involved in recruitment process.

Elected representative for Graduate School in Bonn and Aachen (Germany) (2011-2013)