

# Abhinav Sharma

## Curriculum Vitae

### PERSONAL DETAILS

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*Birth* March 29, 1993  
*Address* 458, Pocket-1, DDA SFS Flats, Sector-9, Dwarka, N.D. - 110077  
*Phone* (+91) 9650691024

### EDUCATION DETAILS

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#### Post Graduate Diploma

2019 - 2020

*International Institute of Information Technology – Bangalore*

I'm pursuing my post graduation in Data Science via IIIT-B. I'm really really exited about all things data and my pseudonym is « The.Data.Wizard. » To keep a progress log about my challenges and projects I've decided to create a V-log about it. It's linked below :)

#### Artificial Intelligence Nanodegree

2017 - 2018

*Udacity*

I am deeply passionate about investing in my growth, so much so that my condition for joining the my previous employer was that they'd sponsor my Nanodegree which was around 1500 USD and for 9 months, I was having a really busy life, maintaining a balance between my professional and personal growth. They agreed and it has been one of the best investments for both of us. Later on, everything I learnt in my NLP specialization in the Nanodegree, I was able to apply that in the design of Vaani AI system for Indian languages in devnagri.com ;)

#### Bachelor of Technology (B.Tech.)

2012 - 2016

*Delhi Technological University*

I secured an All India Rank of 9000 out of 1.2 million students.

### SKILLS

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*Human Languages*

- English
- Hindi
- Portuguese
- Russian
- German

*Programming Languages*

- Korean
- R
- Python
- Clojure ( JVM )
- ClojureScript (NodeJS)
- OCaml
- Go
- Julia
- PowerShell

## WORK DETAILS

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### Artificial Intelligence Nanodegree Mentor

Feb 2019 -

*Udacity*

Happy to be selected as a Mentor to the Artificial Intelligence Nanodegree in Udacity! I had an amazing mentor during my own time in the Nanodegree, now it's my time to give back :)

### Community Mentor

Apr 2017 -

*Coursera*

I've been trusted by Coursera to be their forum moderator and offer troubleshooting and guidance for the individuals taking all the courses which I have complete till now. My Coursera course count around 70+ till date :)

### Coursera Beta Tester

Jul 2017 -

*Coursera*

Coursera invited me to this role after my own Online Learning spree in early 2017 :) I'm a proud and engaged Beta Tester for courses released on Coursera, especially regarding Data Science, Machine Learning, Entrepreneurship and Artificial Intelligence. I review through the courses and give my feedback to help improve the content and design of the learner experience :)

### Course Content Translation and Reviewer

Aug 2017 -

*Coursera*

I've had the opportunity to localize and review the Coursera course content as a member of Coursera Global Translators Community (GTC). I contribute my translation skills and my knowledge of Brazilian Portuguese using various CAT tools like Smartling and Transifex.

### Scientific Collaborator for Whole Genome Sequencing Analysis

Feb 2018 -

*ResearchGate*

I have the wonderful opportunity to contribute my knowledge towards understanding and modelling the behaviour of Mycobacterium Tuberculosis in various environments. This is a fruitful collaboration with Dr. Emilyn Costa Conceição as my friend, mentor and supervisor ;) I contribute my knowledge of - DevOps ( Vagrant and Docker ) - Scripting ( OCaml / Scala ) - Data Analysis pipeline design ( Nextflow )

### Borderless Account - Product Reviewer ( Indian Market )

Feb 2019 -

*TransferWise*

I was given the opportunity to test the Indian version of the internationally acclaimed Transferwise Borderless Account, which let's you send and receive money in multiple currencies

without paying the huge amount of conversion costs to banks and other intermediaries. This is well suited for the Estonian E-residency program as well.

**The.Data.Wizard.**

Feb 2019 -

*TapChief*

**Wolfram Insiders Program and Product Feedback**

Feb 2019 - Mar 2019

*Wolfram*

I have the honor of being invited to collaborate with the visionary team of Wolfram Technologies, which is behind Mathematica and Wolfram Alpha. As of now, I give my feedback regarding the upcoming releases and the existing external language bindings ( like Julia ) to keep them working as smoothly as possible.

**Chief Technology Officer and Product Strategist**

Jan 2018 - Feb 2019

*Devnagri*

I am responsible for leading and co-ordinating a diverse team of Engineers and Designers and making sure that the product is being developed in line with the vision of the company. Moreover, I've been instrumental in implementing Agile Scrum workflow in Translation team, Digital Marketing team as well :)

**Co-Founder and Product Strategist**

Mar 2018 - May 2018

*MISC StartupCafe*

**Technical Content Contributor**

Mar 2018 - Apr 2018

*All Tech Event*

I contribute my technical knowledge on well known technical blogs regarding topics I'm passionate about.

**Scientific Collaborator**

Jun 2017 - Mar 2018

*Universidade Federal do Rio de Janeiro*

Worked on various collaborations with Dr. Emilyn Costa Conceição. These collaborations resulted in - Various Scientific Publications - Whole Genome Analysis pipeline for the PhD Thesis

**Organizer and Promoter**

Nov 2017 - Jan 2018

*Indianlanguagesmeet-up*

**Machine Learning Engineer**

Aug 2017 - Jan 2018

*Fourtek IT Solutions Pvt Ltd.*

Working on, India App Stores focusing on the application of Machine Learning techniques in service of Indian languages.

**Creative Writer**

Jul 2017 - Jan 2018

*Medium.com*

My creative Scribblings can be viewed at my Medium.com blog.

**Educational Sabbatical**

Aug 2016 - Aug 2017

*Self-employed*

I took a sabbatical following my stint at Peoplemetrix Pvt. Ltd. and I was laser focused on gaining knowledge. This resulted in scholarships and certifications which are enlisted in the

achievements section. During this period I also mentored a couple Undergraduate students from NSIT, New Delhi and introduced them to the wonderful world of Data Science and Artificial Intelligence. The accomplishments are mentioned below in the Publication and Projects section.

### **Co-Founder / Product Strategist**

**Aug 2015 - Jul 2016**

*PeopleMetrix Pvt. Ltd.*

I worked on our own product targeting the StartUps' Funding problem, under the tutelage of Fourtek IT Solutions Pvt. Ltd. Noida, India. <https://in.linkedin.com/company/fourtek> I withdrew from the venture realizing that there is much that I have to learn and this huge responsibility would cripple my agility.

## **PUBLICATION DETAILS**

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### **An Analytical Study to Find the Major Factors Behind the Great Smog of Delhi, 2016: Using Fundamental Data Sciences**

**Mar 8, 2018**

*Springer*

Guided two undergraduates into the art of storytelling through Data and their hard work eventually landed a paper in the Springer publications. The students are from the Netaji Subhash Institute of Technology ( NSIT ) background and this was their first step into the world of Data Science :)

### **Analysis of potential household transmission events of tuberculosis in the city of Belem, Brazil**

**Oct 5, 2018**

*Elsevier*

For this analysis, I contributed my knowledge of - Shell scripting ( Scala-ammonite shell / Bash ) - Vagrant and VirtualBox - Cloud Computing using Scaleway.com and Packet.net - CLI tools for data management wrt OneDrive

### **A Pilot Study for Phylogenetic Assessment of Mycobacterium bovis from Marajó Island, Brazil, based on Whole Genome Sequencing**

**Jul 18, 2018**

I contributed my skills regarding the data analysis pipeline.

## **HONORS**

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### **Best Employee**

**Oct 2017**

Selected as employee of the month by Fourtek IT Solutions Pvt. Ltd. during my tenure as a Machine Learning Engineer.

### **Estonian E-Resident**

**Feb 1, 2019**

Accepted as an e-resident of the Estonian nation, enabling me to start my own company in European Union through Estonia.

### **Represented devnagri.com at Rise Conference, Hong Kong, 2018**

**Jul 2018**

I had the opportunity to represent the Devnagri product at the RiseConf 2018, Hong Kong.

#### **Lifetime Access for Academic services**

Mar 2017

I was given the lifetime access of the Basecamp3 product line, for mentoring two undergraduates from NSIT in 2017. The collaboration resulted in published papers.

#### **Datomic Academic Usage License**

Mar 1, 2019

I have been granted the academic use license for Datomic database! This is a radically different database which is created by the creators of the Clojure language. The unique abilities of this database is that it's not based on SQL etc, but rather Datalog and it never forgets anything!

## **CERTIFICATIONS**

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#### **Learning How to Learn**

*University of California San Diego*

2016-12-01

#### **Chinese for Beginners**

*Peking University*

2016-10-01

#### **Ruby on Rails: An Introduction**

*Johns Hopkins University School of Education*

2017-01-01

#### **Julia Scientific Programming**

*University of Cape Town*

2017-01-01

#### **Chinese Language - Diploma of Graduation**

*Proflangs Foreign Language Institute*

2016-10-01

#### **Introduction to Genomic Technologies**

*The Johns Hopkins University*

2017-03-01

#### **Miracles of Human Language: An Introduction to Linguistics**

*Leiden University*

2017-03-01

#### **Chinese for HSK 1**

*Peking University*

2017-03-01

#### **Functional Programming Principles in Scala**

*EPFL (École polytechnique fédérale de Lausanne)*

2017-03-01

#### **Functional Program Design in Scala**

*EPFL (École polytechnique fédérale de Lausanne)*

2017-03-01

#### **Parallel Programming**

*EPFL (École polytechnique fédérale de Lausanne)*

2017-03-01

#### **Rails with Active Record and Action Pack**

*Johns Hopkins University School of Education*

2017-03-01

#### **Ruby on Rails Web Services and Integration with MongoDB**

2017-03-01

*Johns Hopkins University School of Education*

**Python Data Structures**

2017-03-01

*University of Michigan*

**More Chinese for Beginners**

2017-03-01

*Peking University*

**Understanding China, 1700-2000: A Data Analytic Approach, Part 1**

2017-03-01

*The Hong Kong University of Science and Technology*

**Understanding China, 1700-2000: A Data Analytic Approach, Part 2**

2017-03-01

*The Hong Kong University of Science and Technology*

**Programming for Everybody**

2017-03-01

*University of Michigan*

**Chinese for HSK 2**

2017-03-01

*Peking University*

**Big Data Analysis with Scala and Spark**

2017-03-01

*EPFL (École polytechnique fédérale de Lausanne)*

**Algorithms on Graphs**

2017-03-01

*University of California San Diego*

**Introduction to Software Product Management**

2017-03-01

*University of Alberta*

**Algorithms on Strings**

2017-03-01

*University of California San Diego*

**A Crash Course in Data Science**

2017-04-01

*The Johns Hopkins University*

**HTML, CSS, and Javascript for Web Developers**

2017-04-01

*The Johns Hopkins University*

**Data Science in Real Life**

2017-04-01

*The Johns Hopkins University*

**Managing Data Analysis**

None

*Johns Hopkins University School of Education*

**Algorithmic Toolbox**

2017-04-01

*University of California San Diego*

**Building a Data Science Team**

2017-04-01

*The Johns Hopkins University*

**Using Python to Access Web Data**

2017-04-01

*University of Michigan*

**Software Processes and Agile Practices**

2017-04-01

*University of Alberta*

**Reviews Metrics for Software Improvements**

2017-04-01

*University of Alberta*

**Single Page Web Applications with AngularJS**

None

*Johns Hopkins University School of Education*

**Chinese Characters for beginner**

2017-04-01

*Peking University*

**The Data Scientist's Toolbox**

2017-04-01

*The Johns Hopkins University*

**Data Science Math Skills**

2017-04-01

*Duke University*

**Google Cloud Platform Fundamentals: Core Infrastructure**

None

*Google Cloud Certified*

**R Programming**

2017-04-01

*The Johns Hopkins University*

**Using Databases with Python**

2017-04-01

*University of Michigan*

**Principles of Computing (Part 2)**

2017-04-01

*Rice University*

**Configuration Management on Google Cloud Platform**

None

*Google Cloud Certified*

**First Step Korean**

2017-04-01

*Yonsei University*

**Computing, Storage and Security with Google Cloud Platform**

2017-04-01

*Google Cloud Certified*

**Chinese for HSK 3 PART I**

2017-04-01

*Peking University*

**Chinese for HSK 3 PART II**

2017-04-01

*Peking University*

**Learn Chinese: HSK Test Preparation**

2017-04-01

*Peking University*

**Server-side Development with NodeJS**

2017-05-01

*The Hong Kong University of Science and Technology*

**Exploratory Data Analysis**

2017-06-01

*The Johns Hopkins University*

**Getting and Cleaning Data**

2017-06-01

*The Johns Hopkins University*

**Practical Machine Learning**

*The Johns Hopkins University*

2017-06-01

**Reproducible Research**

*The Johns Hopkins University*

2017-06-01

**Front-End Web UI Frameworks and Tools**

*The Hong Kong University of Science and Technology*

2017-06-01

**Mandarin Chinese 1: Chinese for Beginners**

*Shanghai Jiao Tong University*

2017-06-01

**Statistical Inference**

*The Johns Hopkins University*

2017-06-01

**Advanced R Programming**

*The Johns Hopkins University*

2017-06-01

**Mandarin Chinese 2: Chinese for Beginners**

*Shanghai Jiao Tong University*

2017-06-01

**Mandarin Chinese 3: Chinese for Beginners**

*Shanghai Jiao Tong University*

None

**Front-End JavaScript Frameworks: AngularJS**

*The Hong Kong University of Science and Technology*

2017-06-01

**Regression Models**

*The Johns Hopkins University*

2017-06-01

**Innovation for Entrepreneurs: From Idea to Marketplace**

*University of Maryland College Park*

2017-06-01

**Developing Innovative Ideas for New Companies**

*University of Maryland College Park*

2017-06-01

**New Venture Finance: Startup Funding for Entrepreneurs**

*University of Maryland College Park*

2017-06-01

**Functional Programming in Scala Capstone**

*EPFL (École polytechnique fédérale de Lausanne)*

2017-06-01

**Søren Kierkegaard - Subjectivity, Irony and the Crisis of Modernity**

*Københavns Universitet*

2017-07-01

**HTML, CSS and JavaScript**

*The Hong Kong University of Science and Technology*

2017-07-01

**Deep Learning Prerequisites: The Numpy Stack in Python**

*Udemy*

2017-07-01

**OrientDB - Getting Started**

2017-07-01



*Udemy*

**Functional Programming in Scala Capstone**

2017-07-01

*EPFL (École polytechnique fédérale de Lausanne)*

**Mindshift: Break Through Obstacles to Learning and Discover Your Hidden Potential**

2017-07-01

*McMaster University*

**SQL : The Beginners Guide - with PostgreSQL**

2017-07-01

*Udemy*

**The Complete Emacs Course**

2017-07-01

*Udemy*

**Intro selenium by create a linkedin bot with python**

2017-07-01

*Udemy*

**Applied Computer Science. Git**

2017-07-01

*Stepik*

**Introduction to software containerisation and Docker**

2017-07-01

*Udemy*

**Coursera Mentor Community and Training Course**

2017-07-01

*Coursera*

**Business Model Canvas: A Tool for Entrepreneurs and Innovators (Project-Centered Course)**

2017-08-01

*University System Of Georgia*

**Artificial Intelligence NanoDegree**

2017-09-01

*Udacity*

**Certificate in Russian language**

2018-08-01

*Indira Gandhi National Open University*