



# DR. RONAKKUMAR KANTILAL PANCHAL (Ph.D)

## Data Scientist, Research Analyst

Data Scientist, Assistant Professor and FullStack Software engineering specializing in various platforms and technologies. Dedicated to tackling new technologies and methods to expand and apply expertise to challenging problems. Strives to build and improve reusable tools and solutions to achieve repeatable quality results.

### PERSONAL DETAILS

#### EmailID:

[ronu27@gmail.com](mailto:ronu27@gmail.com)  
[ronakvtcbb@gmail.com](mailto:ronakvtcbb@gmail.com)  
Mobile No.:09898257016

#### Address:

401, Saileela Complex,  
Atpo: Baben, Surat, India

#### Social Websites:

<https://drronakpanchal.wordpress.com/>

#### LinkedIn:

<http://linkedin.com/in/ronak-panchal-phd>

#### Skype:

#### GitHub:

<https://github.com/ronupanchal>

Birthday: March 27, 1986

Gender: Male

Marital Status: Married

Nationality: INDIA

Passport: M9049510,

Expires 5/7/25

### EDUCATION

#### Computer Science, Doctor Of Philosophy

Research Area: Semantic Web, SPARQL, Ontology and Data Science  
Sabarmati University  
Ahmedavad, Gujarat

Completed

December 2020

#### Research, Research Methodology

Post Graduate in Research Methodology  
Veer Narmad South Gujarat Surat  
Surat, Gujarat

Graduated

April 2013

#### Information Technology, Master Of Science

MSc in Information and Communication Technology  
Veer Narmad South Gujarat University Surat – Marks 62%  
Surat, Gujarat

Graduated

April 2008

#### Computer Science, Bachelor Of Science

BSc in Computer Science  
Veer Narmad South Gujarat University Surat – Marks 64%  
Surat, Gujarat

Graduated

April 2006

### SKILL

#### Languages

- Python(Django/Flask)
- PHP(WordPress)
- ASP.NET Core,API,MVC
- Data Science(R/Python )
- Dart/Flutter
- NodeJS / ReactJS
- C/C++
- C# / VB.Net
- JAVA / Android / Kotlin

#### Web Components

- HTML5
- Javascript
- CSS/JQUERY
- AJAX/SVG
- W3C/Bootstrap

#### Database

- MySQL, SQLite
- GraphQL
- mongoDB
- MS SQL Server
- Excel/VBA
- MS Office, Access
- Google firebase

#### Development Tools

- VS Code
- Visual Studio 2019
- PyCharm / Anaconda
- Jupyter Notebook
- Tableau /SPSS
- Google Cloud, Docker

#### Research Area

- Semantic Web
- Ontology / RDF
- Machine Learning
- Image Processing
- Data Science
- Database

#### Hardware

### WORK EXPERIENCE

#### 1. Work From Home, Fiverr Client

-Current

#### Responsibility / Role(Part Time):

- Real Estate Application in Python Django and DRF API, ReactJS and Sqlite3

#### 1. WayToMakeMoney, USA

April 2020

#### 2. Occubly limited, UK

#### Data Scientist, Work From Home, Fiverr Client

#### Responsibility / Role(Part Time):

- Extracting large data from concern ontologies and import in new ontology using protégé and accessing via apache Jena Fuseki server with custom dashboard in python Django
- Integration CRUD operation using SPARQL query in Django Python
- Knowledge Graph Expert in RDF and Neo4j with Cypher Query
- Apply WordNet library of NLP and ML algorithm on RDF dataset

#### Edvisor Company

#### Data Scientist, Gurugram, Haryana

December 2018

#### Responsibility / Role(Part Time):

- Selecting features, building and optimizing classifiers using machine learning techniques
- Data mining using state-of-the-art methods
- Extending company's data with third party sources of information when needed
- Enhancing data collection procedures to include information that is relevant for building analytic systems
- Processing, cleansing, and verifying the integrity of data used for analysis
- Doing ad-hoc analysis and presenting results in a clear manner
- Creating automated anomaly detection systems and constant tracking of its performance
- Good applied statistics skills, such as distributions, statistical testing, regression, etc.
- Excellent understanding of machine learning techniques and algorithms, such as Linear Regression, Logistic Regression, k-NN, Naive Bayes, SVM, Decision Forests, etc.
- Experience with common Data science toolkits, such as Python,R, Weka, NumPy, etc. Excellence in at least one of these is highly desirable
- Great communication skills, Good scripting and programming skills
- Experience with data visualisation tools, such as D3.js, GGplot, etc.
- Proficiency in using query languages such as SQL
- Experience with NoSQL databases, such as MongoDB
- Good applied statistics skills, such as distributions, statistical testing, regression, etc.

#### Vidyabharti Trust College of BCA

#### Assistant Professor, Surat, Gujarat

July 2009

- Current

#### Responsibility / Role(Full Time):

- Prepared course syllabi and collaborated in writing modules for Dynamic Learning System

- Rasbarry Pi
- Arduino for IoT
- Semantic Web Tools**
- Protege + WebProtege + Design Ontology and RDF
- Apache Jena fuseki Server +SPARQL
- Cypher Query on Neo4j
- GraphDB + OntoRefine
- Tableau ontology integration
- WIDOCO - LOD
- Cellfie Plugin and many reasoner
- SmartLogic Semaphore
- OOP and Cmap editor

<ul style="list-style-type: none"> <li>• Carried out an additional responsibility as the student organization's adviser for one academic year</li> <li>• Encouraged students to participate in the class</li> <li>• Online educator/facilitator in the Blackboard environment.</li> <li>• Drafted and edited reports of the College-wide Retention sub-committee</li> </ul>	
<b>CEO, Banan SoftInfoTech, Bardoli</b>	January 2008
<b>Software Engineering, Bardoli, Gujarat</b>	
<b>Responsibility / Role(Part Time, Individual):</b> <ul style="list-style-type: none"> <li>• Writing well designed, testable, efficient code by using best software development practices.</li> <li>• Creating website layout/user interfaces by using standard HTML/CSS practices.</li> <li>• Integrating data from various back-end services and databases.</li> <li>• Core PHP, ASP.NET, JSP &amp; Python Development</li> <li>• PHP CodeIgnitor, ASP MVC, Python Django &amp; Flask</li> <li>• Android SDK JAVA and Flutter Mobile Developer</li> </ul>	
-Till Date	

## CERTIFICATION AND EXTRA CURRICULAR ACTIVITIES

- Certified in Data Scientist from IBM and Edwisor company, Gurugram, Haryana
- Certified in Python with Data Science from NPTEL
- Certified in Python Ethical Hacking from Udemy
- Certified in Python for Machine Learning from EICT, IIT Roorkee
- Certified in Tableau from Udacity
- Certified in Semantic Web from PoolParty, USA
- Certified in Semantic Web Technologies from openHPI, USA
- Certified in Web of Data (Semantic Web) from Coursera, USA
- Certified in Django and Python from Eduonix
- Certified in Data Studio from Google Academy.
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- Managing People and Events
- Peer Tutoring, Advising
- Writing, Speaking
- Long-Term Dedication
- Community Service
- Training in Unrelated Area, Team oriented and Results driven.
- Project Management, Public Relations.
- Working Efficiently.

## PROJECTS

### Project 1: Data Science Project from an initiative IBM

1. Cab Fare Prediction,
2. Cancer detection,
3. Predicting economic trends,
4. Predicting customer churn
5. Recommendation Engines

- Period: September 2019 – Present
- Project Type: Data Science R / Python
- Skills which are include regression, classification, clustering, scikit learn, scipy for Data analysis using descriptive analysis model is built in Python or R.

### Project 2: Bike Renting (Edwisor company)

- Period: August 2019 - September 2019
- Project Type: Data Science R / Python
- The objective of this Case is to Predication of bike rental count on daily based on the environmental and seasonal settings. Introduction to the Data Set, Calculating Features, Splitting the Data Into Train and test Sets, applying Linear Regression, applying Decision Trees, applying Random Forests.

### Project 3: Santander Customer Transaction Prediction (Edwisor company)

- Period: November 2018 - August 2019
- Project Type: Data Science R / Python Training
- Statistics, Predictive analysis using R and Python, RBasic, Statistics, Analytics, Matplotlib, Numpy, Pandas, Scikit-learn, NLTK, Text Mining
- Advanced Predictive Analytics Using R and Python, Supervised-Unsupervised Machine Learning, Visualization Tools (Tableau, Excel)

### Project 4: Python Project

1. Face Recognized ( Project Type: Image Processing )
2. Employee Leave Management System (Project Type: Django Framework)

- Period: May 2017 - November 2018
- Project URL: <https://github.com/ronupanchal>
- Development using OpenCV library, developer can capture face 30 images and store in yml file and face recognised using webcam for future used like attendance. Python Django framework with MySQL CRUD Operations

### Project 5: AISHE Semantic Web Enable Ontology (Ph.D. work)

- Period: August 2016 - Current
- Project Type: Artificial Intelligent (AI) Semantic Web and Ontology
- Project URL: [https://github.com/ronupanchal/AISHE\\_SEMANTICE\\_WEB](https://github.com/ronupanchal/AISHE_SEMANTICE_WEB)
- Developed Ph.D project in domain of All India Survey of Higher Education (AISHE) using PHP, Protege, Apache Jena Fuseki, easyRDF, SPARQL, Docker, Virtual Private Server and Ontology Database.

### Project 6: Ontology, RDF, SPARQL and Data Science works on Fiverr.

## LANGUAGE

- English
- Hindi
- Gujarati

## CAREER HIGHLIGHTS

- Data Scientist with 4+ years of experience executing data-driven solutions to increase efficiency, accuracy, and utility of internal data processing.
- Experienced at creating data regression models, using predictive data modelling, and analyzing data mining algorithms to deliver insights and implement action-oriented solutions to complex business problems.

## Publications

## AWARDS & HONORS

- 7th Books
- 14 Research Papers in International and National Scopus or UGC approved Journal
- Consistently ranked in the 1st of my BSc Computer Science class from 2003 to 2006.
- Published **7th Books** (DBMS, Information system and Computer Application - I, III,IV,VI, Fundamental of E-Business)
- Published 14 Research Papers in National and International Journals
- PG Recognised from Veer Narmad South Gujarat University, Surat
- Visiting faculty in IGNOU, Baba saheb ambedkar Open University (BCA and MCA Course)

## DECLARATION

I, RONAkkumar Kantilal Panchal, hereby declare that the information contained herein is true and correct to the best of my knowledge and belief.



**RONAKKUMAR KANTILAL PANCHAL**

BARDOLI, Gujarat

March 05, 2020