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| **SHREYA CHAKRABARTI** | shreyachakrabarti19@gmail.com  +1(408) 306-1143  LinkedIn: [bit.ly/shreyalinkedin](file:///C:\Users\Nikhil\Downloads\bit.ly\shreyalinkedin)  GitHub: http://bit.ly/2fHbMN0 |

**EDUCATION**:

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| **Masters in Computer Science**  Purdue University, IUPUI  Indianapolis, USA  May 2017 (Expected) >> GPA: 3.2/4.0 | **Bachelors of Electronics and Telecommunication**  Ramarao Adik Institute of Technology  Mumbai University, India  June 2010 >> GPA: 3.4/4.0 |

**TECHNICAL SKILLS:**

*Databases:* SQL, SQLite, MySQL, Data warehouse (SAP BW on SAP HANA),   
 Erwin for database design

*Data Mining &* Analysis *Techniques:* Predictive Modelling, Weka (Data Mining and Machine Learning Tool), MATLAB, Python libraries (Numpy, Pandas), Microsoft Excel

*Data Visualization Techniques:*  Tableau, D3.js, MATLAB

*Application Development Software:* Ruby on Rails, JavaScript, Bootstrap, HTML, CSS, PHP

*Tools:* Autosys RedCap, XNAT

*Other Skills:* SAP CO, Git, Nitrous (Cloud IDE), Heroku (Cloud Platform-as-a-Service)

*Programming Languages:* Python, UNIX Shell Scripting, Working knowledge of Java and C++

**CERTIFICATIONS:**

**Microsoft Professional Program Certificate in Data Science on EdX**

* Microsoft verified Data Science Orientation
* Microsoft verified Python for Data Science

**Other Certifications**

* Data Mining with Weka -University of Waikato, New Zealand
* Intermediate Python for Data Science - Data camp
* Machine Learning in MATLAB - Mathworks

**WORK EXPERIENCE:**

**Data Specialist**

**Department of Radiology and Imaging Sciences-Indiana University School of Medicine** December 2016 – Present

* Using Python to improve Data Visualizations of MRI and PET Scans
* Using MATLAB to develop various algorithms for image processing
* Automizing Data Extraction from Free surfer tool using combination of Bash and Python Scripting
* Managing imaging data for centre via XNAT and RedCap

**Business Analyst/ Executive Associate**

**Colgate-Palmolive, India** August 2010 - April 2014

**Analytics Automation Support**

* Built and maintained Info-Cubes, Aggregation Levels and Planning Functions for data transfer in Business Warehouse and Controlling Module
* Troubleshot tickets pertaining to Budgeting and Planning process in SAP CO

**Data warehouse Management**

* *Process Improvement:* Self-identified redundancies in the as-is process, defined and implemented automation process
* Used Unix Shell scripting to automate daily manual activity, achieved resource saving for the company
* Led Autosys migration from Autosys 4.0 to Autosys 11.3 (Europe Division)

**MASTER’S PROJECT WORK:**

**MS Project** (Master’s Project) (<http://bit.ly/2ocSJC2>) (GitHub: <http://bit.ly/2pP0Y7F> ) January 2016 – April 2017

* Independent development of a functional Patient Portal using Ruby on Rails, SQLite, JavaScript, HTML and Bootstrap
* Provide patients with a user-friendly interface to find a doctor as per their speciality, schedule appointment with the doctor, pay the doctor’s fees, leave reviews for the doctor’s services
* View charts of individual healthcare assessment measured with the help of self-help health care instruments available in healthcare marketplace

**Predictive Modelling-Independent Study** (<http://bit.ly/2pP3Y3P>)August 2016 - April 2017

* Independent development of a Prediction model to establish viral shedding & symptoms visible in patients after prolonged exposure to viruses

**Predictive Model-** **Schizophrenia Detection** [( http://bit.ly/2oY3kfA]((%20http:/bit.ly/2oY3kfA)) August 2016 – December 2016

* Successfully developed a prediction model based on speech samples provided to determine patients most susceptible to schizophrenia based on Emotional, Social and Cognitive Profiling of the given data in Python Scikit Learn