Akash Patel
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Education:

- Master's in Informatics (Data Analytics)   *Northeastern University, Boston, MA (Sept., 2017 – Present)*
  Relevant course: Probability Theory and Introductory Statistics, Predictive Analytics, Data Mining Applications, Python for Data Science, Communication of Data & Data Visualization, Data Management and Big Data
- Bachelor of Engineering in Computer Science   *Gujarat Technological University, India (July, 2013- May, 2017)*
  Relevant courses: Database Management Systems, Advanced Java, Web Technology, .Net Technology, Data Mining and Business Intelligence.

Technical Skills:

Programming Languages: .Net, AngularJS, C, C#, CSS, HTML, Java, JavaScript, MySQL, node.js, PHP, Python, R.
Tools: MS Word, MS Excel, Outlook, phpMyAdmin, R Studio, Tableau, Visual Paradigm, Visual Studio, WEKA.
Certifications: C, C++, Hadoop, Java, PHP, R.

Professional Experience:

Global Resilience Institute at Northeastern University: **Boston, MA**
Graduate Research Assistant   *(July, 2018 - Present)*
- Conduct research on cybersecurity (technologies, processes, practices, policies, legislation).
- Produce various types of research-based documents (reports, memos, presentations, databases, webpages, blogs etc.) for programs and events.
- Responsibilities include distilling and synthesizing complex information related to cybersecurity and critical infrastructure and briefing superiors through a variety of written products and oral presentations.
- May also assist in drafting and editing research, logistics, marketing, and communications materials for domestic and international workshops or conferences in support of the Institute's research projects.

Cuseum: **Boston, MA**
Marketing Analytics Assistant   *(Jan, 2019 – Present)*
- This is my final year capstone project
- Gathering data from different websites and then conducting analysis on that data for customer behavior
- Prepare reports to support the analysis and help partner on making decisions.

Northeastern University (Audit & Advisory Services):   **Boston, MA**
Software Development Assistant   *(April, 2018 – Jun, 2018)*
- Helped redesign the software to audit northeastern projects
- Desktop application created using python, electron, html, CSS, PHP and bootstrap

Institute of technology and Management: **Gujarat, India**
Team member-Technical Team   *(Aug, 2016 – Feb, 2017)*
- Helped in creating a schedule for the event and the locations for the event
- Collected the winning names of each event and created a new excel file for prize distribution.
- Posted event schedules and location on social media to target more audience

Academic Projects:

Amazon Stock Price analytics:
- Used Python web scrapping to get data about amazon stock price from yahoo search
- To find the best fit used two different models Arima, holt-winters.
- Used Month Plot to see the trend on which day of the week to buy and sell the stock

Farmers HelpDesk
- Created a desktop application on node.js combined with chromium and electron framework to help farmers solve their knowledge issues.
- Was a backend developer. I worked on MySQL in this project. Also did designing of some of the screens for the application
- Link for the published paper: http://www.ijtrd.com/ViewFullText.aspx?Id=8320
- Link to video explanation of the project https://youtu.be/8pOkGttf5Nk

Student Community portal
- Created a website for the school
- For front-end I used HTML, CSS, Bootstrap and for backend used PHP combined with MySQL
- Created two more websites with the same technologies but with different purpose, one was *Library management website* and the second one was *Farmers information website*

Global Terrorist Data Analytics
- Used Python to analyze the dataset of terrorist attacks.
- Used various visualization libraries to support my findings