

Neha Niphadkar

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Education

Master of Science, Computer Science, GPA: 3.7/4.0

Old Dominion University, Norfolk, Virginia

Dec 2019

Courses: Data Mining, Visualization, ML, Data Structures and Algorithms, Data Science, Comp. Architecture, Web Programming, Application Development, Business Intelligence, Enterprise Architecture, Mobile Sensing.

Conferences:

Computing Research Association for Women, Chicago, IL - Awarded Travel grant. April 2019.

Women in Machine Learning, Montreal, CA - Awarded Travel grant. December 2018.

Master of Arts, Industrial and Organizational Psychology

Courses: Research and Statistics and Human Resource Management.

Skills

Programming Languages Python, PostgreSQL, Google Analytics, PowerBI, PHP, MySQL, Matlab, LaTeX, Google Big Query, Java, Shell, HTML5, Linux, and Git.

Frameworks/Libraries Django, Flask, Beautiful soup, Node, D3, Agile/scrum, Pandas NumPy, SciPy, Android, and C#.

Work Experience

Graduate Research Assistant **Old Dominion University** **May 18 – Apr 19**

- **Researched on detection of agitation in adults using mobile EEG headset.**
 - Recommended to use EEG headset over smart watches and mobile phones because EEG headset enables the onset detection even before the symptoms manifest.
 - Developed classification machine learning models in Python, using unsupervised learning, to detect agitation with 82% accuracy that could immediately alert authorities at the onset of an attack
 - This technology has the potential to safeguard 50 million patients worldwide from hurting themselves and others; therefore eliminating unnecessary strains on nurses and caregivers.
- Researched and Visualized the Impact of Policy on Indian General Elections 2019.
 - Retrieved and analyzed 120,000 tweets for a period of 4 months using Twitter API. Classified the users sentiments of the candidates based on 3 features: positive, negative, and neutral and developed a dashboard in D3 to automate the process.
- Used K-Mean clustering to identify, categorize, and profile 500 employees based on usage of company's resources for Authentication and Authorization.
- Implemented modules for a Learning Management System, "APNS" currently used by UVA and ODU, showcasing analytics on usage, completion statistics, and performance updates.

Graduate Teaching Assistant **Old Dominion University** **Jan 18 – Dec 19**

- Leading a team of 8 Teaching Assistants for the Department of Computer Science
 - 300 + hours of face-to-face and online recitations, along with grading and answering student queries.
 - Updating and maintenance of course website: intro.cs.odu.edu
 - Nominated for Best Teaching Assistant, 2019
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Volunteer

- Summer Research Workshop 2018 and 2019: Led a summer workshop consisting of 30 interns, which included the responsibility of mentoring and guiding them with on-time delivery of assigned tasks.
- The Machine Learning and Data Science Summer Boot camp, promoting STEM Education