Pooja Sonmale

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EDUCATIONAL QUALIFICATION
- Master's in computer science (Pursuing), ODU, USA
- Bachelor's in Computer Science and Engineering, INDIA

EXPERIENCE SUMMARY
- Good exposure in machine learning, artificial intelligence, data mining
- Experience working with Data Science frameworks like SciKit, Caffe, Tensorflow
- Experience working with python web framework Django, Flask, Web scraping
- Experience in developing neural network models for pattern recognition
- Familiarity with agile development framework

TECHNICAL SKILLS
- Languages: Python, Java, JavaScript, HTML, CSS
- OS: Windows, Linux, Solaris, Windows
- Databases: MySQL, MS SQL Server, PostgreSQL, Oracle
- IDE: PyCharm, Eclipse
- Frameworks: Django, Flask, Caffe, Tensorflow
- Tools: SciKit, Caffe, Tensorflow, Jira, Confluence

PROFESSIONAL EXPERIENCE
Defense Research and Development Organization (Sep 2017 – April 2019)
Responsibilities
- Gather raw data from one or more sources and to organize and sort that data to get meaningful information out of it
- Run this gathered data through computer models which served up a prediction or recommendation in a human-friendly manner
- This was done by using various machine learning algorithms implemented using SciKit, Caffe tool.
- Comparing the obtained results to find out which algorithm worked best for a certain use case.
- In SciKit I implemented an ensemble of algorithms including Logistic Regression, Support Vector Machine, ID3, Random Forest, K-Nearest Neighbors and K-means. For other deep learning algorithms like CNN (Convolutional Neural Network) I used Caffe.

ADDITIONAL SKILLS
- Self-motivated, high level of energy
- Technical and technological skills, verbal and written communication skills.
- Decision making, critical thinking, organizing and planning.