KETKI AMBEKAR

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Professional Summary

An ambitious software engineer with a keenness for solving complex problems and 8 years of work experience, seeking challenging opportunities to expand my skills as a Machine Learning Engineer.

Skills

Expert: Python, C/C++, C#.NET, MS SQL, MySQL, Numpy, Pandas, Scikit-learn, Keras.
Intermediate: R, Hadoop, MapReduce, Java, TensorFlow, SciPy, Matplotlib, Linux OS.
Basic: Tableau, AWS Cloud, GCP, CUDA, Spark, Oozie, Matlab, Apache Spark, Pytorch, Hbase, etc.

Education

Master of Science: **Data Science (Computational Track)**   Expected in May 2021
New Jersey Institute Of Technology   Newark, NJ
- Coursework in Machine Learning, Deep Learning, Applied Statistics, Big Data, Data Analytics, etc.

Certification: **Machine Learning**   Sep 2020
Stanford University   Stanford, CA
- Coursework in Supervised Learning, Linear Regression, Logistic Regression, Neural Networks, Generative Models, Naive Bayes Classifier, K-Means Algorithms, etc.

Bachelor of Engineering: **Information Technology**   Jun 2011
University Of Mumbai   Mumbai, India

Projects and Research

- **Topic Modelling and Classification for Eve's Appetite for cure (Capstone Project)** : Natural Language Processing (NLP) for a Mobile App. Used LDA algorithm or Topic Modeling and SVM for Topic Classification.
- **Research Assistantship:** Project Arkouda: Achieving High Performance Distributed Computing by creating NumPy like arrays at massive scale backed by an interpreter called Chapel under Professor Dr. David Bader.
- **Pneum-o-ray:** A Deep Learning Binary Classifier to detect whether a Chest Xray has pneumonia or not with a 91% accuracy. This project won the 3rd place @ NJIT Hackathon. (November 2020)

Work History

Web Development Consultant   Apr 2016 - Jul 2019
Own Business   Pune, India
- Developed and maintained e-commerce websites using Wordpress CMS, Front end in PHP, CSS and MySQL for backend. Used Google APIs and Analytics for insights. Helped 7 clients over multiple projects.

Software Developer   Jul 2011 - Apr 2016
Sterling Talent Solutions   Mumbai, India
- Web scraping using proprietary C#.NET libraries and Selenium from web pages, XML gateways, Data dumps, etc.
- Processing and maintaining data using MSSQL backend.
- Choosing reportable data and generating reports in XML formats for front end.
- Black box and white box testing, peer code testing. Conducted production checks.
- Upgraded the daily manual process of production-check to an automated MS Excel based process **saving 3 man-hours every day**.

Additional Information

Languages: English, Marathi, Hindi, French
References: Available on request.