Pavan Chhatpar

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Available: **Starting Dec. 2020**

EDUCATION

Northeastern University, Boston, MA
Khoury College of Computer Sciences September 2018 – Present
Candidate for Master of Science in Computer Science, Current GPA: 4.0/4.0 Expected graduation: Dec 2020
Related Courses: Algorithms, Machine Learning, Spec. Topics in AI,
Information Retrieval, Programming Design Paradigms

University of Mumbai, Mumbai, India
Vivekanand Education Society's Institute of Technology
Bachelor of Engineering in Computer Engineering, GPA: 8.99/10.0 May 2018
Related Courses: Machine Learning, Discrete Math, Analysis of Algorithms,
Calculus, Data Structures, Data Warehouse and Mining
Activities: Technical Officer at Computer Society of India, Executive Head for Praxis

TECHNICAL KNOWLEDGE

Languages: Python, Java, C, C++, Julia, PHP, Node.js, TypeScript, JavaScript, HTML, CSS
ML & Data Pipeline Tools: TensorFlow, sklearn, XGBoost, PyTorch, Weka, Spark, Airflow
Databases: MySQL, Hive, Vertica, MongoDB, MS SQL, Oracle, SQLite
Operating Systems: Windows, Linux (Ubuntu, Mint), Mac OS
Software & Frameworks: Android Studio, IntelliJ IDEA, Octave, Unity, Angular

WORK EXPERIENCE

Honeywell, Atlanta, GA June 2020 – Aug 2020
Data Science Intern – Industrial Analytics
- Used NLP to gain insights from legal contracts about measuring supplier performance
- Researched various applications of those insights that would help optimize supplier partnerships

Wayfair, Boston, MA May – Dec 2019
Data Science Co-op – B2B|Sales|Service team
- Developed Survival Analysis Models on large scale time-series data using recurrent neural networks in Python
- Employed language representation deep neural net models like BERT for text data embedding
- Engaged in stakeholder meetings to leverage their domain knowledge in feature engineering

dotin, Fremont, CA (*work from home*) March – June 2018
Software Engineer Intern – Machine Learning
- Developed ML training, testing and predictor modules with pipelining using Python, Julia, and Java.
- Contributed in maintaining data collection pipelines through Amazon Mechanical Turk.

Digital Vibes, London, UK (*work from home*) June 2015 – January 2018
Full-stack Developer Intern
- Led client projects to deploy cross platform solutions using Node.js, Angular, React Native, NativeScript, and Electron.
- Assisted testing team with unit testing and E2E testing, ensuring elimination of all bugs and errors.

ACADEMIC PROJECTS

Deep Question Generation on SQuAD dataset
Master's Project, Northeastern University Jan 2020 – Apr 2020
- Developed a deep neural network that generates questions given a paragraph and an answer within it, using TensorFlow 2.
- Employing copy mechanism, the generated questions could get answers with an F1 score 18% lesser than original ones.

The precision of case difficulty and referral decisions: an innovative automated approach
Nair Hospital and Dental College, Mumbai, India May 2017 – Aug 2019
- Developed an ML solution with a team of dentists to predict difficulty of an Endodontic case prior to treatment using TensorFlow and sklearn with a sensitivity score of 94.96%.
- Published in Clinical Oral Investigations, Springer, Aug. 2019

Vehicular Traffic Abatement
University of Mumbai, Mumbai, India March 2017 – May 2018
- Developed a solution to vehicular traffic using neural networks in a team of four facilitating users with prediction of vehicular traffic based on time and location, with an accuracy of 90.73%.
- Published the project work as two phases in IEEE, Nov. 2018 and in IJRASET Volume 6, July 2018.

INTERESTS/ ACTIVITIES

- Published an android app on Google Play Store, with over 10,000 downloads, to help students in managing attendance.
- Contributed to a research on IoT in hospitals, which was published in Procedia Computer Science, Vol. 152, Elsevier.
- Won 2nd prize in final year project competition at undergrad college.
- Participated in various events on photography, singing, and roller skating.