ABHISHEK KARAN

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https://www.linkedin.com/in/karanabhi • AVAILABLE: **Aug 2018 - May 2019**

EDUCATION

Harvard University, Cambridge, MA — Jun 2018 - Present
Harvard Extension School
Related Course: **Introduction to Data Science**

Northeastern University, Boston, MA
College of Computer & Information Science — May 2019
Candidate for Master of Science in Computer Science
Related Courses: Algorithms, **Data Mining Techniques**, Web Development, Database Systems

TECHNICAL KNOWLEDGE

Languages: **Java**, C#, **SQL**, NoSQL, Elixir, **Python, R**, PHP, React JS, HTML5 & CSS3, D3.js
Cloud & Analytic Tools: Azure Machine Learning Studio, **AWS Machine Learning**, MS Excel
Frameworks: **Spring**, Phoenix, .NET, **NodeJS**.

RESEARCH PUBLICATION

Predicting Bankruptcy using Machine Learning Algorithms. — Feb 2016

- Published a technical research paper which provides **machine learning regression algorithms of 97%** accuracy for bankruptcy predictions. Link: http://aircconline.com/ijci/V5N1/5116ijci10.pdf

WORK EXPERIENCE

InkDLab, Boston, MA. — Apr 2018 - Present
Graduate Researcher

- Developing a story telling web application with customized characters in React using Redux and d3.js
- Maintaining production level web servers in Heroku

Cerner Healthcare Solutions, Bangalore, India. — Jan - Jun 2017
Software Developer, Seasonal Intern.

- Deployed a 9-Tier service oriented Automation & Visualization software using **Microservices and Object-Oriented** concepts to linearize the intern allotment procedure

PROJECTS

Spotify Music Recommender Engine — Jul 2018
Harvard University, Cambridge, MA

- Created a model for song discovery on the basis of the base play list and user/context information that are an important quality of a play list
- User/context information included intent, emotion, location, play list purpose (driving/road trip, studying, etc)
- Used the developed models for automatic play list generation
- Developed a model to find good choices of songs for new play lists with relatively few prior play list entries

Hospital System — Apr 2018
Northeastern University, Boston, MA

- Deployed a web application on **AWS** which provides real-time diagnostics of the symptoms and emergency conditions of patients using service oriented architecture
- Developed a tracking system for the nearest hospitals, pharmacy, doctors and other healthcare units from user's current location using **RESTful Api**

CERTIFICATIONS & ACHIEVEMENTS

- Successfully completed **AWS Certified Developer - Associate** exam — Jan 2018
- Successfully completed "Understanding & Applying Factor Analysis and PCA" from Pluralsight — Mar 2017
- Successfully completed "How to Think About Machine Learning Algorithms" from Pluralsight — Mar 2017
- Phillips #Hackabout'16, **Data Analytics Hackathon:** Member of the runner's up team — Sep 2016