Ankita Mishra

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SKILLS

PROGRAMMING

Proficient:

C# • C++ • JavaScript • typeScript • Python • C • R • bash • LaTeX • MySQL • GraphQL • MongoDB • ElasticSearch • HTML • CSS • Angular • React • Node.js • Microsoft Azure

Other Tools:
- Tensorflow • Keras • Jenkins
- Jira • Selenium • Eclipse
- Xcode • Unity5 • Hadoop
- OpenCV

LINKS

Github:// **ankitamishra1998**
LinkedIn:// **ankitamishra6**
Stack Overflow:// **ankita-mishra**

HACKATHONS

Hack the North

Breakinequality

Hack4Health

EDUCATION

UNIVERSITY OF WATERLOO

BSC in Computer Science
Expected April 2021 | ON, Canada
Algorithms
Data Structures and Data Management
Operating Systems
User Interfaces
Genetics

THE MILLENNIUM SCHOOL

Grad. May 2016 | Lucknow, India

ONLINE COURSES

Coursera :
Stanford - Machine Learning
Udacity :
Deep Learning
IOS development with Swift

AWARDS

Impact 10X10X10 : United Nations HeforShe Scholarship (2016)

Above 95% marks : President Scholarship with distinction (2016)

National (India) : Prime Minister's 100 Meritorious Students

EXPERIENCE

HATCH LTD. | Full Stack Developer

Jan 2019 – April 2019 | Mississauga, Canada
- Created an end to end ASP .NET Core Web application using Angular7 on the Client side, C# on the Server side and ElasticSearch relational database
- Deployed the Application on Microsoft Azure by creating a CI/CD pipeline for the dev, qa and uat slots
- Implemented SignalR Azure service to add realtime capabilities to the application
- Implemented ADAL (Azure Active Directory) to add login function for the app
- Implemented OAuth 2 authentication for Azure DevOps

PERKINELMER INC. | Machine Learning Engineer

May 2018 – Aug 2018 | Kitchner, Canada

- Retrieved high dimensional (600 x 20,000+) Clinical, Genomic and Mutational data from PerkinElmer's proprietary database and preprocessed it using python libraries (numpy, scikit-learn, pandas) to produce a .mat file
- Referred to a scientific paper and ran SurvivalNet (deep neural net) on the .mat files for several cancer types in order to perform feature selection (also used Random Forest, LASSO etc.) among the 20,000+ features of the dataset
- Ran SurvivalNet on Nvidia GPU cutting the time taken by 120 folds (from 30 hours to 30 min)
- Migrated the codebase from Theano to Tensorflow

FANXCHANGE | Test Automation Developer

May 2017 – Aug 2017 | Toronto, Canada
- Built a test automation framework from scratch using Selenium and Python improving the testing time for the front end by days
- Handled the release of B2B client "Eservus USA" on a tight schedule
- Used the knowledge of Elasticsearch to enhance 'search queries' and improve User Experience on the Fanxchange Mobile App

PROJECTS

MAP COLORING | Exhaustive Search Problem

Aug 2018 – Sept 2018
- Used Object Oriented concepts to create a map, composed of nodes and their neighbors. Implemented an algorithm to color the map in the least possible colors, ensuring that all adjacent nodes have different colors
- Working on an OpenCV implementation to recognize hand-drawn maps, bypassing the input.txt file for planar maps

THE GAME OF LIFE | Cellular Automaton

Dec 2017 – Jan 2018
- Implemented Sparse Matrix data Structure reducing the computational time by performing operations only on the non-zero elements
- Used tkinter, NumPy, SciPy, Pandas and other Python libraries

VOLUNTEER

TECHNOVATION WATERLOO 2018 | Mentor | Video: Demo

Jan 2018 – Apr 2018 | Waterloo, Ontario
As a mentor, I conducted regular meetings and provided useful resources and insights and ensured the timely completion of my team's project.