SHREYASH SHRIVASTAVA

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WORK EXPERIENCE

GOVBLOCKS, New Delhi, India

Summer Intern, May 2018 – August 2018

GovBlocks is an open, permissionless decision protocol that empowers Dapps to define and operate any governance model at scale.

- Worked on the Solidity (Ethereum) infrastructure of the company.
- Documented various Solidity API's that were used to implement the governance layer over registered Dapps.
- Used the kovan test network for deployment of the smart contracts. Used Truffle API', Mocha testing framework and Ganache to run and test the infrastructure.

UTSI, Arlington, TX

Supplemental Instruction Mentor, Jan 2019 - Present

- Assisted a group of Supplemental Instructors (SI) in administrative protocols and procedures. Organized weekly meetings to help with SI-faculty and SI-student relationship, Organized and gave speeches about product marketing and smart goal settings in accordance to SI job description. Understanding behavioral diversity and exuberating positive leadership were crucial components in facilitating the job position.

EDUCATION

The University of Texas at Arlington Honors College, Arlington, TX

Computer Science, May 2020 GPA: 3.6/4.0

Relevant Coursework: Artificial Intelligence, Data Analysis and Modelling Techniques (graduate level course), Introduction to Machine Learning, Machine Learning (PhD level course), Neural Networks (graduate level course)

PERSONAL PROJECTS

- **Personalized Wine Recommendation System** (01/19 – 04/19) https://blog-ml.netlify.com/
  A Full Stack project built using Django framework for Python. It is an MVC architectural pattern, which uses URL mappings, Jinja logic, HTML5 and CSS3. The search feature is implemented using term frequency search algorithm, and also Elasticsearch. The data set is classified using Support Vector Machines and the content-based recommendation is run by K-means. The full implementation and required packages can be found on my GitHub, and the link to the live site is also available on my LinkedIn.
- **Machine Learning Algorithm Implementation** (11/18 – 04/19)
  Self-implementation of basic Machine Learning algorithms from scratch. Linear Regression, Logistic Regression, Decision Tress, Random Forest, LDA, KNN, Kmeans and PCA in Python.
- **PCA Based Image Classifier** (01/19 – 04/19)
  Used PCA for dimension reduction of a 25x25 animal image dataset. A KNN classifier is used distinguish the image in a 3-feature space, after extracting three principal components using PCA. Both the Machine Learning algorithms used are implemented from scratch.
- **Advanced Web SQL** (01/19 – 04/19) http://shreyash.pythonanywhere.com/databases/query/
  Created a relational database using ER/EER model and implemented SQL search queries in a simple Web framework designed using Django. The default SQLite database of Django is replaced with SQL, and XAMPP is used as the web-server stack package.
  – *github.com/shreyash0023*, **Personal Website:** *https://shreyashshrivastava.netlify.com/*

CERTIFICATIONS

- **Generation Blockchain** (05/18 - Present)
  On site certification course on development and deployment of Ethereum smart contracts.
- **Ethereum and Solidity Complete Developers Guide** (Udemy)
  Used Ethereum, Solidity and Smart Contracts to build production-ready apps based on the blockchain.

HONORS

- Scholarships: President's Charter, Vikram J. Bajaj
- Achievements: College of Engineer Dean's List, UT Arlington Honors College

SKILLS

- Python, Machine Learning Algorithms, Data Mining, Data Analysis and Modelling Techniques
- C, C++, C#, Java, SQL, XAMPP
- JavaScript, Node.js, React.js, Web3.js, HTML, CSS3, Django, Bootstrap