Jainam Shah

📞+1 (343) 558 2789 ✉️jshah082@uottawa.ca 🔗linkedin.com/in/jainamshah2718/ 🔗jainam2718.github.io/Portfolio/

EDUCATION

University of Ottawa   **Ottawa, Canada**
Master of Computer Science Concentration In Applied AI   *September 2022 – April 2024 (Expected)*

Dharmsinh Desai University (DDU)   **Nadiad, India**
*Bachelor of Technology in Computer Engineering with **9.38/10.00 CPI***   *July 2018 – June 2022*

TECHNICAL SKILLS

Languages: C, C++, Java, Python, JavaScript, Typescript, SQL, HTML, CSS, PHP
Frameworks/Tools: Git, Hyperledger Fabric(IBM), HyperLedger Besu, Redux, Django Rest Framework, Spring, Docker
Packages: TensorFlow, Keras, Scikit-learn, Matplotlib, Pandas, NumPy, OpenCV

EXPERIENCE

University of Ottawa   **Ottawa, Canada**
Teaching Assistant   *September 2022 – December 2022*
- Delivered tutorials for nearly 150+ students, solved student inquiries, proctored exams, prepared materials, and assignment solutions, and graded assignments.
- Presented complexities of 5 different programming languages with run-time examples for better understanding.

Indian Space Research Organization (SAC)   **Ahmedabad, India**
Data Science Research Intern   *December 2021 – March 2022*
- Analyzed 36 years of ERA5 satellite data for Spatio-temporal variability in the Greenland region and delivered reports with visualization of analyzed data.
- Implemented ML techniques of regression, constructed an LSTM-based anomaly detection model and experimented with 3 different activation functions for hidden layers.

Sakhatech Information Systems Pvt. Ltd.   **Bengaluru, India**
Software Development Intern - Blockchain Developer   *May 2021 – July 2021*
- Developed a blockchain-based solution for business enterprises with its own private network as a product.
- Coordinated with project manager and a team of 4 to build a private blockchain/sidechains, handled data segregation and a bridge between decentralised and private business data.

PROJECTS

Malware Classification using API call Histogram | *Python*
- Experimented to classify inputs into 9 malware families.
- Carried out exploratory data analysis, feature engineering, feature selection, and trained and evaluated 4 models. The reliability score of the best two models was 97.24%.

Captcha Generator 🔗 | *Python, Keras*
- Demonstrated how a machine learning model can break a captcha and achieved an accuracy of 93.2%.
- Generated captchas through an adversarial network - It trains and tests on a real-world dataset of Street View House Numbers. Evaluated using different hyper-parameters.

Virtual Existence for Local Stores 🔗 | *Python, Django Rest Framework, React-Redux, HTML, CSS*
- Spearheaded a group of 3 to design an application for local stores to attain virtual existence to enter online world.
- Trained a recommendation system for suggesting likely items for customers to buy.

ACHIEVEMENTS

- 2022 **Infytq Certification** *(Infosys)*
- 2021 **ICPC Regional Round** *#521*
- 2021 **ICPC Preliminary Round** *#555*
- 2020 **Google Kickstart Round E** *#2372*
- 2020 **Code-Rage Coding Competition in Felicific** *#2*
- 2020 **UWCOI Globally, United World College Olympiad in Informatics** *#344*
- 2020 **Google Codejam Round 1C** *#4710*
- 2020 **March Long Challenge 2020 Codechef** *#521*