**Hrishikesh (Rishi) Kashyap**

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EDUCATION

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| University of Massachusetts Amherst, MS in Computer Science; GPA 3.4 | **Amherst, MA**  *Dec 2019* |
| National Institute of Technology Karnataka, B.Tech in Information Technology; GPA 8.1/10 | **Surathkal, India**  *May 2015* |

EMPLOYMENT

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| **Software Developer Intern** | **Amherst, MA** |
| Kuwa Foundation | *May 2019 – Aug 2019* |

* Tech stack used: Javascript, NodeJS, ReactJS, Express, Python, PostgreSQL, Git.
* Designed and built the Faucet component using ReactJS to distribute KuwaCoins (an Ethereum-based demo cryptocurrency deployed by us) to all valid users.
* Developed and deployed smart contracts using Solidity to handle Kuwa transactions on the Blockchain.
* Created REST endpoints using NodeJS, Express and PostgreSQL for storing and managing incoming user information.

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| **Software Developer** | **Bengaluru, India** |
| Oracle | *Jul 2015 – Aug 2017* |

* Tech stack used: Java, SQL, Jenkins, Maven, Selenium, Git, JIRA.
* Developed a monitoring framework in Java to save significant manpower (8 hours/week) wasted resolving host and database issues.
* Improved the Continuous Integration (CI) and Continuous Delivery (CD) processes for the product using Jenkins, reducing failure rates by 40%.
* Enhanced the Java-based automation framework to build and deploy Oracle Database product patches on the cloud, thereby eliminating the manual effort required to do it.

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| **Research Intern** | **Bengaluru, India** |
| Samsung Research India | *May 2014 – Aug 2014* |

* Designed an adaptive video recording feature in the Android Multimedia Framework, enabling the user to record videos for a longer duration than under normal circumstances.
* Adapted the camera software module to change the resolution and bit-rate of the video during recording, as per defined parameters of memory and battery available.

SKILLS

* **Programming Languages**: Python(3yr), Java(2yr), Javascript(1yr), SQL(3yr), Latex, Solidity, HTML, CSS
* **Frameworks**: Flask, Django, PostgreSQL, ReactJS, D3, NodeJS, Apache Spark.
* **Tools**: PyCharm, Eclipse, IntelliJ IDEA, Docker, Selenium, Hudson, Jenkins, Git, JIRA.
* **Operating Systems**: Unix, MacOS, Windows, Android, iOS

PROJECTS

* **Question Answering Framework using Linked Data:**
  + Tech stack used: Python, Django, JavaScript, Pandas, NLTK, RDF
  + Conceptualized and implemented a Multimedia Question Answering system to translate natural language questions into RDF triple pattern queries and present the user with answers(text/images/video) from various linked data sources.
* **Distributed System to manage Olympic Games simulation:**
  + Tech stack used: Python, Django, Javascript
  + Built a distributed Olympic games simulator, with features such as load balancing across servers, leader election, clock synchronization, message queues and event ordering.
* **Kinect for Android games:**
  + Tech stack used: Visual Studio C++
  + Developed a framework mapping actions in Android touch-based games to the gestures of a person captured by Microsoft Kinect, thereby allowing the user to play the game using gestures.