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| **[Utsav Kapoor](https://www.freecodecamp.org/utsavkapoor)** | | Email: [utsav.kapoor@asu.edu](mailto:utsav.kapoor@asu.edu) |
| 1111, East University Drive, Tempe-85281 | | Phone: +1-480-465-3235 |
| Education | |  |
| • | **Arizona State University** | Tempe, AZ |
|  | *Master of Science in Computer Science; GPA: 3.83* | *Aug. 2016 – May. 2018* |
| • | **National Institute of Technology-Warangal** | Warangal, India |
|  | *Bachelor of Technology in Computer Science & Engineering;* | *Aug. 2010 – April. 2014* |

Programming Skills

* **Languages**: C++, C, Python, JavaScript, PERL Scripting, Shell Scripting, Java, SQL.
* **Technologies**: OpenStack, Node, Express, Elastic Search, REST, Hudson, Jenkins, Git, Bootstrap, SASS, Pug, AJAX, PostgreSQL, MySQL, MongoDB, JQuery, JSON, AWS, Docker.

Links

• **LinkedIn** <https://www.linkedin.com/in/utsavkapoor/> **GitHub** <https://github.com/utsavkapoor>

Experience

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**Web Application Developer** May 2017 - Present

*EdPlus - Arizona State University* *Tempe, AZ*

* **CSE 110**: Developed Interactive Single Page Applications (SPAs) for Computer Science 110 Courses usingBootstrap, JavaScript, Ractive JS and D3.
* **Backend Service**: Developing and Deploying backend service similar to Online Python Tutor on which runestoneinter actives can be run on using python, AWS and Docker.

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**Member of Technical Staff** June 2014 - March 2016

*Oracle Inc.* *Bangalore, India*

* **Infrastructure Automation**: Automated the whole infrastructure requirements and various LCM operationssuch as Creation, Deletion and Migration using PERL, Shell and Python reducing the manual work of 4 to 5 hours to 10 minutes
* **Upload to Bug DB**: Developed an interface to upload error logs to the Oracle bug database using Perl, JSP,REST-API, resulting in narrowing the communication gap between members of the team
* **LCM Pipeline**: Developed a Life Cycle Management Pipeline which was used to validate Product releases usingHudson build Software and Python reducing the manual work of a day to 10-15 minutes.
* **LCM test Suite**: Developed a Life Cycle Management test-cases Suite using Python, Shell Script, Hudson Integration Software that wasused to verify the features during the sign-off for a release.

Projects

* **YELP Data Visualization**: Proposed and developed a website using HTML, CSS, JavaScript, D3, High Charts,Python and Elastic Search. A demo can be viewed at https://www.youtube.com/watch?v=akvH6bDKvFw.
* **University Course Gradebook**: Developed a Gradebook for a class allowing an instructor to store the grades ofmultiple examinations along with the percentage point allocation for each item. It was created using NetBeans 8.2, Java. REST-API of Level-3 RMM was followed.
* **Network Shaping and Telemetry with Machine Learning**: Proposed and implemented dynamic allocation ofBandwidth in Open Stack to allow optimum usage of bandwidth using a Machine Learning time series algorithm called Holt’s Winter Forecasting Technique. A demo can be viewed at https://www.youtube.com/watch?v=7iKlmsQA4bk
* **Multimedia Database Management**: Using features such as SIFT, Motion Vectors & Histogram database findoutput of queries by displaying Similar videos stored in Database. Dimensionality Reduction Algorithms such as Principal Component Analysis and Singular Value Decomposition were used to make the query faster.
* **URL Shortener API**: Developed an API that generates shortened URL’s on a get request. API was created using Node, Express, MongoDB and Glitch.
* **FreeCodeCamp Full Stack Projects**: Completing projects of full stack development on freecodecamp.org usingJavaScript, Bootstrap, Node, Express, D3, MongoDB. All the Projects can be found at https://www.freecodecamp.org/utsavkapoor