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# HEMANT HEER

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## TECHNICAL SKILLS

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**Languages:** Python, Javascript, C, SQL, Bash, HTML, CSS

**Technologies:** Git, Vagrant, Flask, MySQL, gunicorn, NGINX, SQLAlchemy

## PROJECTS

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**deTweet** <https://detweet.online/> Mar 1 '19 – Present

*Flask app that finds, displays, and deletes tweets containing inappropriate words*

- Implemented server-side logic to handle tweet retrieval, deletion, filtration using regex, and Twitter OAuth
- Successfully deployed application to a Digital Ocean droplet and automated deployment using *Fabric*
- Technologies: Python, Semantic UI, Twitter API, Flask, Fabric, Javascript, HTML, CSS

**Abalone** <https://github.com/VortexH/abalone> Feb 25 '19

*Flask app enabling users to engage in real time discussions with friends on any Youtube video*

- Contributed to back-end with RESTful API routes to post/retrieve comments to/from a MySQL database
- Obtained valuable knowledge on building the basis of a commenting system
- Technologies: Python, Flask, Youtube API, MySQL, jQuery, Javascript, HTML, CSS, gunicorn, NGINX

**Kwikilinks** [https://github.com/VortexH/KwikiLinks\\_MVP](https://github.com/VortexH/KwikiLinks_MVP) Feb 16 '19

*Flask app built during a 24-hour hackathon displaying the degrees of separation between 2 Wikipedia pages*

- Coordinated team efforts using Trello as SRE and PM and managed deployment during crunch time
- Furthered personal knowledge of effective project management to handle roadblocks and successes
- Technologies: Python, Flask, Wikipedia API, Bootstrap, Jinja, MySQL, Javascript, HTML, CSS, uWSGI, NGINX

**AirBnB Clone** [https://github.com/VortexH/AirBnB\\_clone\\_v4](https://github.com/VortexH/AirBnB_clone_v4) Nov 8 '18 – Feb 16 '19

*Flask app, inspired by AirBnB, that displays rental unit listings*

- Developed server-side console, file storage, database storage, RESTful API, and front-end UI
- Incorporated unit tests when building out features of the application and pair programmed with multiple teams
- Installed services using bash scripts across web infrastructure and deployed static codebase using Fabric
- Technologies: Python, Flask, SQLAlchemy, MySQL, Jinja, Fabric, jQuery, Javascript, HTML, CSS, gunicorn, NGINX

**Shell** [https://github.com/VortexH/simple\\_shell](https://github.com/VortexH/simple_shell) Aug 16 '18 – Aug 30 '18

*Command line application that executes valid shell commands using system calls*

- Developed strategy to pass a struct by reference to all functions in the program, implemented token counter, and fixed numerous memory leaks
- Shell successfully handled the PATH and executed commands using fork and exec
- Technologies: C

## EDUCATION

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**Holberton School** San Francisco, CA Jun '18 – Jun '19

*Software Engineering*

**State University of New York at Binghamton** Binghamton, NY Aug '11 – May '15

*B.S. Bioengineering, Magna Cum Laude*