

# AASHWIN VATS

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## Education

**Oregon State University, OR, USA**

**Sept 2018-Jun 2020(\*Expected Graduation)**

- **MS in** Computer Science (Software Innovation Track), GPA: 3.87/4.0
- **Coursework:** Software Engineering Methods, Software Project Management, Managerial Decision Tools, Machine Learning, Database Management Systems, Methods of Data Analysis [Stats]

**Amity University, UP, India**

**Aug 2011-Apr 2015**

- **B.Tech. in** Electronics and Communication, GPA: 8.3/10.0
- **Coursework:** Digital Image Processing, Signal Processing, Cryptography, Cloud Computing.

## Experience

**Graduate Teaching Assistant**

**Sept 2018-Present**

Courses- Usability Engineering & Software Engineering: Assisted 45+ students per term to heighten the user experience of their class project apps and guided them to 100% completion.

**Techno Functional Analyst, WIPRO Tech., India**

**Jan 2017-Feb 2018**

- Spearheaded the design and development of automated system to manage import/export certifications for Halliburton's chemical inventory to/from the US, reducing manual filing by 90%.
- Coordinated with customer's team, scrum master, product managers & QA teams in gathering business requirements to strategize system architecture, assist in technical documentation and plan forthcoming sprint release to production.
- Led the development of over 90 product backlog items, creation of unit test cases, code reviews, bug fixing, query optimization, integration testing and deployment.

**Software Developer, WIPRO Tech., India**

**Jun 2015-Dec 2016**

Designed web application for Halliburton to manage and track chemical inventory, reducing their dependency on third-party vendor to 20% by migrating multiple MS Access DBs to single MySQL DB.

## Software Projects

**Cap'nShare:**

- Designed & developed a web application using Ruby on Rails that allows users to share food across campus to avoid food wastage ([Capnshare.herokuapp.com](http://Capnshare.herokuapp.com)).
- Utilized: Ruby on Rails, PostgreSQL, CSS, AWS S3, GIT, Trello (agile methodology)

**Career Mapper:**

- Developing an interface to compare jobs at hand with respect to cost of living, health, crime, safety indices, etc; providing greater clarity and insight into career decision-making process.
- Utilized: Python, HTML/CSS, MySQL, React, GIT

**YouTube Channel: Neso Academy**

- Developed a functional website ([nesoacademy.org](http://nesoacademy.org)) for an educational YouTube Channel.
- Utilized: HTML/CSS, JavaScript, jQuery, PHP

## Skills

- Software: (proficient) Python, SQL, Unix, Git, HTML/CSS, C#, SSIS (familiar): Ruby on Rails, JavaScript, C (certified): AWS Developer Associate