AASHWIN VATS

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Education

Oregon State University, OR, USA   **Sept 2018-Jun 2020(*Expected Graduation)**

- **M.S. in** Computer Science (Software Innovation Track), GPA: 3.87/4.0
- **Coursework:** Software Engineering Methods, Software Project Management, Machine Learning, Deep Learning, Database Management Systems, Algorithms, Methods of Data Analysis [Statistics].

Amity University, UP, India   **Aug 2011-Apr 2015**

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

Experience

Graduate Teaching Assistant   **Sept 2018-Present**

- Assisted 65+ students per term in courses: Software Engineering I, Intro to Usability Engineering, to heighten the user experience of their class projects and guided them till 100% completion.

Techno Functional Analyst, WIPRO Tech., India   **Jun 2015-Feb 2018**

- Spearheaded the design and development of external web application to manage import/export certifications for customer reducing manual filing by 90%.
- Coordinated with client'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.
- Utilized: REST APIs using .NET framework, MS SQL, C#, SSIS, IIS Server

Software Projects

IdeaPool:

- Designed a platform for all levels of expertise of software developers to post their project proposals or request to collaborate on ongoing projects of interest.
- Utilized: ReactJS, NodeJS, NextJS, CSS/HTML, MongoDB | Github repo: (**IdeaPool**)

Chatterbox:

- Developed a chat application for users to interact with each other in real time in the chat rooms of their choice. (**chatterbox-app-av.herokuapp.com**).
- Utilized: NodeJS, Socket.io

Cap'nShare:

- Designed & developed a web application using RubyonRails that allows users to share food across campus to prevent food wastage (**capnshare.herokuapp.com**).
- Utilized: RubyonRails, PostgreSQL, CSS, AWS S3, JavaScript, GIT, Trello (agile methodology)

Career Mapper:

- Developed 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 | Github repo: (**Career Mapper**)

Skills

- Proficient: Python, JavaScript, SQL, C#, Git, HTML/CSS, Agile Methodology | Familiar: ReactJS, NodeJS, Ruby on Rails, MongoDB, R, PyTorch, TensorFlow, Unix | Certified: AWS Developer's Associate (Validation No: FY2RZ7WCDJ1E1S50)