

Vijay Vardhan Tadimeti

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SKILLS

Programming Languages (JavaScript ES6+, Python, R, SQL, Java) | **Web Technologies** (HTML, CSS, Bootstrap, Node.js, Express.js, React, Mocha, Webpack, Babel, Ruby-on-Rails) | **Databases** (MySQL, PostgreSQL, MongoDB, Oracle) | **Tools** (Github, AWS, Heroku, Docker, Kubernetes) | **Other** (Agile, SCRUM, Linux, TDD, BDD, CI/CD, SDLC)

COURSEWORK

Analysis of Algorithms, Software Engineering Methods, Software Project Management, Database Management Systems (DBMS), Human-Computer Interaction(HCI), Inclusive Design, Machine Learning, Data Analysis

EDUCATION

Oregon State University, M.S in CS Sep 2018 - June 2020

Visvesvaraya Technological University, B.E in CS June 2012 - June 2016

WORK EXPERIENCE

Teaching Assistant | *Oregon State University* Sep 2018 – present

- Assisted students in developing projects that implement **TDD**, **RESTful APIs**, **Micro services** and **server side web development** through **Node.Js**, **Express**, **Postgres** and guided them to 100% completion in Software Engineering, Web development & Open Source Software courses.

Graduate Assistant | *EECS Department, Oregon State University* Sep 2018 – Mar 2019

- Conceptualized and implemented an **ILP** (Integer Linear Program) based Teaching Assistant Assignment system to optimally match teaching assistants to courses. Developed an Admin interface to view student and faculty preferences and rendered data based on the results of ILP.
- Implemented **RESTful API** design by creating API endpoints and mapping resources to URLs. Developed backend API services using **Express.js** and implemented user authentication and authorization with **JWTs**.
- Reduced average teaching assistant assignment process time from 82s to 34s and the system was adopted by upto 300 students (graduate and undergraduate included).

Application Development Specialist 1 | *IQVIA Inc., India* June 2016 – July 2018

- Developed **web-based** solutions, configured and administered custom CRM **dashboards** for customers from Pharmaceutical, and consumer health companies. Developed application **services** using **Node.js** that allowed medical representatives to gather and upload pharma data to IQVIAs proprietary ETL platforms. Integrated third party **APIs** to the CRM platforms, developed **Responsive web design** layouts, proportion based grids & **SPAs** that increased CRM platform adoption by medical reps and liaisons by upto 40%.
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PROJECTS

- Fitness tracking application that allows users to track vitals, activity and workouts via Fitbit API.
- Image searching application that retrieves images using the Flickr API.
- Personal Analytical System that visualizes data from multiple data sources with data obtained from multiple third party APIs. (Productivity data from Github API, Activity data from Fitbit API and social activity data from Twitter and Facebook).