

Avanti Patil

+1-(617)-800-3400 | patilavanti2k16@gmail.com

97 St Stephen Street, Apt 8, Boston, MA, 02115

Portfolio: <https://patilav.github.io> | **GitHub:** <https://github.com/patilav> | **LinkedIn:** <https://www.linkedin.com/in/avantipatil>

OBJECTIVE: I am looking for **full-time software engineer** job opportunities **starting from Jan 2017**.

EDUCATION:

Northeastern University (NEU), Boston, MA GPA: 3.79/4.0 Sept 2014-Dec 2016

Master of Science in Computer Science

Related courses: Algorithms, Advanced software development, Web development, Human Computer Interaction, Computer Systems, Distributed systems, Database Management System

University of Mumbai, Mumbai, India

June 2011

Bachelor of Computer Engineering (Graduated w/ Distinction - Received J. R. D. TATA Scholarship)

TECHNICAL SKILLS:

Languages: Java, C, C++, Python, Linux & Unix shell Scripting, C#, SQL, PL/SQL, HTML, JavaScript, Bootstrap

Frameworks: AngularJS, Node.js, Flask, Spring MVC, Struts 2, ASP.Net, Message Passing Interface, Android

Databases: Oracle 9i, Oracle 10g, MS SQL Server, MS-Access, IBM DB 2, MongoDB, Neo4j graph database

Tools & Version control: Git, Subversion, Jira, Confluence, Bitbucket, TeamCity, Asana, Trello, Slack

WORK EXPERIENCE:

Northeastern University

Jan - May 2015

Teaching Assistant - Web Development

- Graded and redesigned the coursework with Professor and Hosted TA sessions for guiding students on debugging code and solving problems on Mongo dB, Angular, Node.js.

VMware.inc, Cambridge, MA, USA

May - Dec 2015

Site Recovery Management Intern & VMware Intern Prodigy for Northeastern University

- Designed an Availability Zone API in C++ that allows multiple VMware DR solutions to operate in a cooperative fashion.
- Developed a python script to scale test SSL authentication token service for an internal project with maintained wiki.
- Presented Availability zones project and won Cambridge poster session for the same and attended VMWorld conf.

NSE InfoTech Services LTD, Mumbai, India

Jul 2011 - Jun 2014

Associate System Analyst

- Developed 4 major time critical projects using Java, RMI and Oracle 10g in 2 years and awarded 2 recognitions
- Created a frontend to show user portfolios by fetching data from in-memory hash tables in shared memory.
- Worked on benchmarking data flow via TCI/IP socket connection and optimized risk mgmt. system to get increased computing efficiency (50%) & higher trade processing rate (30%) using MPICH & C.

PROJECTS:

Social Networking for projectfeed1010 (Python, OAuth, Flask, unittest, Neo4j)

NEU, MA Jan-May'16

- Developed an efficient social networking site for ISB's aquaponics system users with a self-organizing team of 6 people.
- Lead project in given timeline while interacting with 4 teams in 2 time zones & released to 100 users for beta testing.
- Created and tested an API for fetching data from neo4j while considering scalability with growth of user base (~100k).
- Generated unit test suites as well as integration tests and code coverage of 90%+ in each agile sprint.

MBTA Group Orders automation (Asp.net, C#, SQL)

NEU, MA Jan-May'16

- Lead team of 4 to work with our client MBTA on a real time project with stringent deadline.
- Performed requirement gathering and feasibility study which was very crucial and well executed.
- Developed product using agile methodology with weekly code reviews and wrote unit and scale tests for the code.
- Received Best Client Relationship award for project which successfully went live in June 2016 for entire MBTA user base.

Union Capitol Boston web app (Material design, Angular, MongoDB, Angular UI Routing) NEU, MA Sep-Dec'15

- Conducted interviews and generated user personas as well as brainstormed ideas for creating best user centric design.
- Designed and developed a single page interface which is both clean and easy to use with new features like Carpool and Help a Friend in a scalable platform for 500+ user base of Union Capitol Boston-a non profit organization.

SIDE PROJECT:

TampX Check (Android, Java, Affectiva API)

Lady Problems Hackathon, MA

Nov'16

Designed and developed a functional Android app in 15 hrs, to suggest the tampon absorbency level by analyzing results of the Tampax algo and user's emotions recorded by Affectiva's emotion recognition API.

INTERESTS AND ACTIVITIES:

- Founder & President of NU Grad Women Coders and HackNEU Hackathon @NEU**