VIRAL PATEL

Boston, MA 02215 │ (857) 800-3362
patel.viral@northeastern.edu

https://www.linkedin.com/in/patelviralb/
https://patelviralb.github.io/

EDUCATION

September 2019 – Present	**Master of Science, Computer Science**	**Overall GPA: 3.75 / 4.00**

Northeastern University
Related Courses: Programming Design Paradigm, Foundation of Artificial Intelligence, Web Development, Algorithms, Foundation of Software Engineering

August 2011 – June 2014	**Bachelor of Engineering, Computer Engineering**

University Mumbai

EXPERIENCE

June '20 – Present — **Software Engineer Co-op** • *Quick Base*
- Working on enhancing the timeline report (Gantt Chart) for the platform
- Frontend is designed using **React**, **Redux** and backend API is developed using **C++**

November '18 – August '19 — **Senior Software Engineer** • *Prolifics*
- Consulted for Health Insurance Company for creating claim processing infrastructures
- Created a unique solution to track Medicare claims using **ITX/IBM WTX** and **MySQL**
- Worked on **JSON, XML, CSV** and **ANSI X12** files

July '14 – November '18 — **Technology Analyst** • *Infosys Limited*
- Consulted for Health Insurance Company to manage enrollment and claim processing
- Mentored team of four while managing production incidents
- Created custom claim validations using **C** and **Shell scripting** for **ANSI X12**, **CSV** files
- Re-designed claim extraction process which resulted in 80% reduction in turn-around time for incident resolution
- Received 3 professional awards for contribution and innovations in developing various automation tools which helped vendors to reduce incident creation by 30%

SKILLS

• Languages	Java • C++ • Python • C • Shell Scripting
• Web Technologies	React • Redux • JavaScript • HTML • CSS • REST
• Database	MySQL • Oracle • MongoDB

ACADEMIC PROJECTS

May '20 – June '20 — **Chat Application** • *Foundation of Software Engineering*
- Slack like chat application created using different design patterns and agile methodology
*Technologies Used: **Java, sockets, JavaScript, HTML, CSS***

March '20 – April '20 — **Chowk : Interaction Portal** • *Web Development*
- Open communication Q&A forum for computer science students and staff which is like Piazza or Blackboard with a bit of Stack Overflow mixed in
*Technologies Used: **React, Redux, TypeScript, MySQL***

January '20 – April '20 — **White Board : LMS solution** • *Web Development*
- Learning Management portal for faculty, students and admin for efficient management of course materials and quizzes
*Technologies Used: **React, Redux, Angular, Node.js, MySQL, MongoDB***

November '19 – December '19 — **Personal Assistant Action Classifier** • *Foundation of Artificial Intelligence*
- Classification algorithm to learn how digital personal assistants infers actions from user input sentences, so required response can be given to users based on inferred action
*Technologies Used: **Python, Keras, scikit-learn, pandas***

OTHER PROJECTS

April 2020 — **Web Access Management** • *Web Development*
- Web based access management tool to perform various CRUD operations on server data
*Technologies Used: **React, Redux***

January 2017 — **Service Ticket Distributor** • *Infosys Limited*
- As a part of Design Thinking initiative, built a proof of concept to distribute ServiceNow service tickets to different queues based on keywords present in short description
- Used Design Thinking methodology to design the solution
*Technologies Used: **R***