

# VIRAL PATEL

Boston, MA 02215 | (857) 800-3362  
[patel.viral@northeastern.edu](mailto:patel.viral@northeastern.edu)

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

## EDUCATION

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September 2019 – Present	<b>Master of Science, Computer Science</b> Northeastern University <i>Related Courses: Programming Design Paradigm, Foundation of Artificial Intelligence, Web Development, Algorithms, Foundation of Software Engineering</i>	<b>Overall GPA: 3.75 / 4.00</b>
August 2011 – June 2014	<b>Bachelor of Engineering, Computer Engineering</b> University Mumbai	

## EXPERIENCE

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June '20 – Present	<b>Software Engineer Co-op • Quick Base</b> <ul style="list-style-type: none"><li>Working on enhancing the timeline report (Gantt Chart) for the platform</li><li>Frontend is designed using <b>React, Redux</b> and backend API is developed using <b>C++</b></li></ul>
November '18 – August '19	<b>Senior Software Engineer • Prolifics</b> <ul style="list-style-type: none"><li>Consulted for Health Insurance Company for creating claim processing infrastructures</li><li>Created a unique solution to track Medicare claims using <b>ITX/IBM WTX</b> and <b>MySQL</b></li><li>Worked on <b>JSON, XML, CSV</b> and <b>ANSI X12</b> files</li></ul>
July '14 – November '18	<b>Technology Analyst • Infosys Limited</b> <ul style="list-style-type: none"><li>Consulted for Health Insurance Company to manage enrollment and claim processing</li><li>Mentored team of four while managing production incidents</li><li>Created custom claim validations using <b>C</b> and <b>Shell scripting</b> for <b>ANSI X12, CSV</b> files</li><li>Re-designed claim extraction process which resulted in 80% reduction in turn-around time for incident resolution</li><li>Received 3 professional awards for contribution and innovations in developing various automation tools which helped vendors to reduce incident creation by 30%</li></ul>

## SKILLS

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

## ACADEMIC PROJECTS

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May '20 – June '20	<b>Chat Application • Foundation of Software Engineering</b> <ul style="list-style-type: none"><li>Slack like chat application created using different design patterns and agile methodology</li></ul> <i>Technologies Used: Java, sockets, JavaScript, HTML, CSS</i>
March '20 – April '20	<b>Chowk : Interaction Portal • Web Development</b> <ul style="list-style-type: none"><li>Open communication Q&amp;A forum for computer science students and staff which is like Piazza or Blackboard with a bit of Stack Overflow mixed in</li></ul> <i>Technologies Used: React, Redux, TypeScript, MySQL</i>
January '20 – April '20	<b>White Board : LMS solution • Web Development</b> <ul style="list-style-type: none"><li>Learning Management portal for faculty, students and admin for efficient management of course materials and quizzes</li></ul> <i>Technologies Used: React, Redux, Angular, Node.js, MySQL, MongoDB</i>
November '19 – December '19	<b>Personal Assistant Action Classifier • Foundation of Artificial Intelligence</b> <ul style="list-style-type: none"><li>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</li></ul> <i>Technologies Used: Python, Keras, scikit-learn, pandas</i>

## OTHER PROJECTS

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April 2020	<b>Web Access Management • Web Development</b> <ul style="list-style-type: none"><li>Web based access management tool to perform various CRUD operations on server data</li></ul> <i>Technologies Used: React, Redux</i>
January 2017	<b>Service Ticket Distributor • Infosys Limited</b> <ul style="list-style-type: none"><li>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</li><li>Used Design Thinking methodology to design the solution</li></ul> <i>Technologies Used: R</i>