Viral Patel

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EDUCATION

- **Northeastern University - Boston, MA**   September 2019 – December 2021
  Master of Science – Computer Science   **GPA: 3.66**
  Related Courses: Algorithms, Large Scale Parallel Data Processing, Web Development

- **University of Mumbai - Mumbai, India**   August 2011 – July 2014
  Bachelor of Engineering – Computer Engineering

EXPERIENCE

- **Software Engineer Co-op**   **June 2020 – January 2021**
  Quick Base   *Boston, MA*
  - Revamped customer-facing timeline report (Gantt Chart) UI used to visualize reports on Quick Base (Low-code/No-code) platform using **React.js, React Hooks, Redux** improving user interaction and usability by **80%**
  - Back-end APIs were designed using **C++** for Data retrieval to populate feature and perform CRUD operations based on user permissions or user role

- **Senior Software Engineer**   **November 2018 – August 2019**
  Prolifics   *Pune, India*
  - Consulted and designed solution to track submitted Medicare claims improving claim processing time by **30%**

- **Senior Software Engineer**   **July 2014 – November 2018**
  Infosys Limited   *Pune, India*
  - Consulted and designed end-to-end solutions to manage enrollments and claims for Health Insurance Company
  - Led and mentored managed services team with 3 freshers while designing system to track claim status reducing turn-around time for ticket resolution by **80%**
  - Automated enrollment processes using **Java, Shell Scripting, C** and **IBM MQ** message system improving enrollment processing time by **90%** and reducing enrollment request turn around time by **30%**

TECHNICAL SKILLS

- **Languages:** Java, C, C++, Python, Shell Scripting
- **Technologies & Frameworks:** Hadoop MapReduce, Apache Spark, React.js, Redux, Node.js, RESTful Webservices, JavaScript, Bootstrap, HTML, CSS
- **Database:** MySQL, MongoDB, Oracle, MS-SQL
- **Tools:** Git, JIRA, Confluence, IntelliJ, VSCode, Postman, IBM WTX, ITX

PROJECTS

- **Distributed K-Means | *Apache Spark, Scala, AWS EMR, AWS S3***
  Implemented sequential version of K-Means algorithm in distributed environment where one version of algorithm parallelizes the computation for each k and another version performs clustering in single task parallelizing computation of different k values

- **Opportunity Hack 2020 | *React, React Hooks***
  Designed web based proof of concept to visualize the AI based model to filter mentors based on mentee preferences. Solution won **4th** place in the hackathon out of 13 teams and 39 hackers

- **Chowk–Learning Forum | *React, Redux, TypeScript, MySQL***
  Designed UI of Q&A forum for students and staff like Piazza or Blackboard with integration of Stack Overflow suggestions/solutions so that student do not have to wait for professor in case solution is generic improving student's efficiency to tackle problem by **40%**

- **White Board | *React, Redux, Angular, TypeScript, Node.js, Spring Boot, JPA, MySQL, MongoDB***
  Full-stack Learning Management Solution for faculty, students and admins for efficient management of courses and quizzes improving professor's content management efficiency by **75%**

- **Service Ticket Distributor | *R, Design Thinking, Machine Learning Algorithms***
  Built proof of concept as a side project to automate ServiceNow ticket distribution among teams improving team efficiency by **30%**