

# Mihir Salunke

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## Education

**Northeastern University**, Seattle, WA  
*Master of Science in Information Systems*

**GPA: 3.9/4.0**  
Expected Dec 2020

**Savitribai Phule Pune University**, India  
*Bachelor of Engineering in Electronics and Telecommunication*

May 2017

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## Technical Skills

Programming Languages: Java, Python, JavaScript, Swift  
Web Technologies: ReactJS, Node.js, Express.js, HTML 5, CSS3, JavaScript (ES6), JSON, XML, REST APIs, JSP  
Database: MongoDB, MS SQL, Oracle, MySQL, DynamoDB  
Platforms / Tools: AWS (EC2, S3, Lambda, Elastic Beanstalk), Git, IntelliJ, Maven, JUnit, Pycharm, Xcode, Postman, Flask  
Operating Systems: Linux/UNIX, MacOS, Windows

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## Professional Experience

**Nokia**, Naperville, IL  
*Software Engineer Co-op* Sept 2019 – Dec 2019

- Created a chatbot for Small Cell 5G Systems Engineering team to assist the development and deployment of 5G RAN architecture
- Developed a service gateway for chatbot to make necessary API calls and integrated it with Nokia MIKA framework using Java
- Designed and implemented REST APIs for an internal search-engine that leverages machine learning and exposed the APIs endpoints to the chatbot using Python
- Optimized performance of the chatbot by multi-threading API calls thereby reducing server overhead by more than 70%

**Kloudq Technologies Limited**, Pune, India  
*Software Engineer Intern* Mar 2018 – Jul 2018

- Successfully built a query management tool that automates CRUD requests for all the customers using SQL and Java
  - Provided support to the engineering team for all database dependencies and wrote functional scripts to handle this process
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## Independent Projects

**Chess-App:** (<https://github.com/mihirsalunke/iOS-ChessApp>) May 2020

- Successfully developed a Chess App with responsive UI for iOS devices (iPhones and iPads) using Swift and Xcode
- Integrated it with an open-source chess API engine which supports single-player and multiplayer modes
- Created a Chess AI implementing Minimax algorithm and Alpha-Beta pruning

**AWS DeepRacer** Dec 2019

- Implemented a reinforcement learning model on Amazon SageMaker for autonomous vehicle navigation through complex tracks avoiding traffic accidents. Trained, tuned and tested models on AWS DeepRacer 3D racing simulator and real-world environment

**Recipe Web App:** (<https://github.com/mihirsalunke/Recipe-App>) April 2019

- Developed a web application for storing food recipes using ReactJS for the view layer and Express – Node.js serving as the backend and implemented RESTful web services to add recipes, get the list of recipes and get recipe details
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## Academic Projects

**Web-based Chat App:** (<https://github.com/mihirsalunke/Chat-App>) Spring 2019

- Successfully developed a chatting application for multiple users using HTML, CSS, Express.js, Node.js
- Augmented the application behavior with frontend JavaScript and implemented REST services to be polled every 5 seconds to update the messages and user list

**Student Course Registration System** Spring 2019

- Developed a RESTful web service using JAX-RS Jersey, with APIs performing CRUD operations. Allowing students, professors and registrars to create, register and manage courses. Core technologies used were DynamoDB for persistence, SNS for email-notifications, Lambda for serverless computing and Step functions for orchestrating workflows.

**Vehicle Dealership and Inventory Management System** Fall 2018

- Developed the backend design of a vehicle search system with features such as filtering, sorting and updating inventory
- Implemented design patterns via Java Interfaces to improve code readability by 20%
- Applied Object-Oriented Programming methodologies to update and access data to and from the database using JDBC