

# SHREYANSH NAWLAKHA

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## EDUCATION:

**Rensselaer Polytechnic Institute (RPI), Troy N.Y.**

**Aug '18 – Dec '19**

**Masters of Science (Information Technology), GPA: 4.0**

Relevant Coursework: IT-Capstone, HCI Usability, Data Mining, Advanced Data Resource Mgmt, Data Science, Machine Learning from Data, Data Analytics

**Shri G.S. Institute of Technology and Science (SGSITS), Indore M.P.**

**Aug '14 - May '18**

**Bachelors of Engineering (Information Technology), GPA: 3.95**

Relevant Coursework: Data Structures, Object Oriented Programming, Database Management Systems, Web Engineering, Design & Analysis of Algorithms, Software Engineering, Cloud Computing, Intelligent Systems

## SKILLS:

**Programming Languages :** C/C++, Java , python, JavaScript, MySQL, MATLAB

**Development:** HTML, CSS, Bootstrap, Android, Spring, Ember.js, React, AWS, Git, JIRA

## EXPERIENCE:

**Software Development & Data Science Intern, Levrx Technology Inc., Troy NY**

**May'19 – Aug '19**

- Full Stack software development for a healthcare application using Ember.js(frontend) and Java (Spring framework).
- Built workflows using FME, python and MySQL to automate data load & maintenance.
- Created interactive dashboards using D3.js from the logs collected for business insights.
- Data Analytics and Dashboarding using Power BI(DAX) and MySQL on Rx data.

**Teaching Assistant, Rensselaer Polytechnic Institute, Troy NY**

- Data Mining : Prof. Mohammed J. Zaki (120 students)
- Operating Systems : Prof. David Goldschmidt & Prof. Buster Holzbauer (250 students)

**Aug '19 – Dec '19**

**May '19 – Aug '19**

## SOFTWARE PROJECTS:

**Music Application for Herbie Hancock (Capstone Project)**

**Jan '19 – May '19**

- Developed a web-based music app for Herbie Hancock designed to be branded for multiple artists.
- Used Scrum framework for rapid development in increments and handle changing requirements of client.
- Docker container for consistent platform with HTML, Bootstrap, Django and PostgreSQL on all systems.

**Mood Enhancer – Song Recommendation System**

**Jan '19 – May '19**

- Implemented Deep Neural Network that utilizes Natural Language Processing techniques to calculate happiness index of a song from features including sentiment analysis of lyrics, tempo, rhythm, valence and more.
- Used the happiness index for recommending happier songs to the user and alleviate their mood.

**Weather Analysis, Correlation of Temperature and Bird Migration**

**Aug '18 – Dec '18**

- Recorded temperature in New York City from 2008-2018 and analyzed the variations in weather for anomalies.
- Drew correlation between the weather changes and incoming migration of birds in the area.
- Implemented LSTM for predicting the temperature in 2019 October doing a time series forecasting.

**MGNREGA Solution: (Ministry of Rural Department – Government of India)**

**Nov '17–Apr '18**

- Prototype developed in Smart India Hackathon 2017, selected for pilot level development by Indian Government.
- The Android application features OCR, color coding schemes, talkback and multi-language support and an IVR System to target audiences belonging to low literacy groups.
- Java & XML were used for developing the solution on Android Platform with MySQL databases connected using PHP RESTful APIs.

**Web Application for a Wedding Invitation:**

**Feb '17-May '17**

- Solved the difficulty of inviting guests and managing their accommodation using a simple website.
- The Web Application collected itinerary of guests for managing accommodations and also served as an invitation.
- Frontend was developed with Bootstrap and was connected with MySQL database using JSP.

## LEADERSHIP:

- **Technical Manager** – Managing technical resources and planning for Master's Capstone project.

**Jan '19 – May '19**

- **Chief Executive Officer** of SGSITS Robotics Club having a team of 30 students.

**Jul '16 – Jun '17**

- **Project Manager** - Smart India Hackathon 2017, first runner up prize Pan India.

**April '18**