# Nisarga Khairnar

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## EDUCATION

**Master of Science, Data Science**           **expected May 2023**
*Rochester Institute of Technology, Rochester, NY.  (GPA - 3.22/4.00)*

**Bachelor of Technology, Computer Science and Systems Engineering**     **May 2021**
*Kalinga Institute of Industrial Technology, Bhubaneswar, India. (GPA - 8.22/10)*

## TECHNICAL  SKILLS

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|---|---|
| **Programming Languages** | : C, C++, Python, Java, SQL, Assembly |
| **Machine Learning** | : Scikit-Learn, Keras, Tensorflow, NumPy, SciPy, OpenCV, NLTK, NLP |
| **Data Visualisation** | : PowerBI, Streamlit, Tableau, Seaborn |
| **Web** | : Django, JSP, Servlets, HTML, CSS |
| **DB and Other Technologies** | : MySQL, Git, MS Office, Google Suite |

## EXPERIENCE

**Machine Learning Intern**           **Jan 2021 - Jun 2021**
*HighRadius,Bhubaneswar, India*
- Worked on use case - Payment Date Prediction.
- Cleaned, processed the data provided and built Machine Learning model applications, to obtain maximum accuracy with the data on board.
- Worked with the client to understand its business timeline to further optimize the MLmodel.
- Responsible for deployment and maintenance of live accounts in the production environment.

**Data Analyst Intern**           **Oct 2020 - Nov 2020**
*MedTourEasy, New Delhi, India*
- Trained on tools such as Streamlit, Seaborn , Plotly and used these tools to infer data and its trend which would help train the ML model.
- Implemented various Machine Learning algorithms on different datasets and built a live project.

**Software Engineering Intern**           **May 2019 - Jun 2019**
*Amazatic Inc., Pune, India*
- Worked on tools like Django, Beautiful Soup.
- Web scraped data, integrated the data with SQL Database and sanity checked it, to prepare the data for the next procedure.

## PROJECTS

**Detection of Performance Regression**           **Jan 2022 – April 2022**
- Developed a system which can detect whether a particular commit of code introduces performance regression.
- Optimized the detection mechanism to check for metric changes to reduce cost of running performance benchmarks

**Automated Review Systems (Undergrad Final Year Project)**           **Nov 2019 – Apr 2021**
- Developed a standardized system for review training and analysis based on LSTM and Vader, which trained on Amazon review database and gave an accuracy of 73%.
- Integrated regression models with better data to compute and to confirm if implementing RNN would be feasible.

**NYC Airbnb Price Prediction**           **Oct 2021 - Nov 2021**
- Built a basic machine learning algorithm to predict the prices of Airbnb in NYC.
- Researched about the factors which affect the pricing and developed the basic algorithm using various Machine learning models and scoring techniques.

**Prediction of Blood Donations – MedTourEasy**           **Oct 2019 – Nov 2019**
- Built a model which predicts the amount of blood needed in a particular period of time.
- The model also analyzes the trend when blood is most needed throughout the year, thus, keeping track of the supply and demand.

**Web Application and Website Development – HighRadius**           **Nov 2019 – Dec 2019**
- Built a dynamic website which was used to login and update a database.
- Used Bootstrap and CSS, for the website front end. with JSP and Java Servlet for backend for login authentication. Connected the backend to a MySQL database to provide user and client information.

## VOLUNTEER WORK

**Khwaab**           **Jun 2018 – Oct 2019**
*KIIT University, Bhubaneshwar*
- Interacted with underprivileged students in the Kalinga Institute of Social Sciences organization.
- Responsible for managing schedules and fun/interconnecting activities for the students.