

# Pavan Choudhari

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## EDUCATION

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Northeastern University, Boston, MA Jan. 2020 – Present  
Khoury College of Computer Sciences Expected Graduation: Jan. 2023  
*Candidate for Master of Science in Data Science*  
Related Courses: Linear Algebra for Data Science, Database Management Systems,  
Supervised Machine Learning and Learning Theory, Data Processing and Data Management

University of Mumbai, Mumbai, India Aug. 2015- May 2019  
*Bachelor of Technology in Computer Engineering*  
Related Courses: Database Design and Management, Object Oriented Design, Data Mining

## TECHNICAL KNOWLEDGE

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Programming Languages:	R, Python (Pandas, Numpy, Tensorflow), SQL, HTML, JavaScript.
Data Analytics:	Power BI, Tableau.
Database:	MongoDB, SQLite, MySQL & PostgreSQL.
Cloud Technology and Automation:	Docker, AWS (fundamentals), GCS BigQuery, Airflow.
Tools and Technologies:	Microsoft (Excel, Office, Power Point), Linux.
Certifications:	HIPAA Security.

## PROFESSIONAL EXPERIENCE

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Tausight, Boston, MA July 2021- Dec. 2021  
Data Science/Engineering Intern

- Provided innovative data solution, that reduced data access time by 99%.
- Created Python scripts to analyze Big Data, and generated daily, weekly, and monthly reports for Customers.
- Implemented Airflow Data Pipelines, reducing cost by 70%.
- Responsible for developing Machine Learning models for Anomaly Detection.

## ACADEMIC PROJECTS

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**Manta Ray Classification And Segmentation** Jan. 2022 -Apr. 2022  
Northeastern University, Boston, MA

- Published a new Manta Ray Dataset with accurate automatic segmentations from a Deep Lab V3+ model.
- Implemented a Siamese Network (Tensorflow) with 0.94 F1 score to distinguish between Manta Ray and background.
- Experimented with VGG16, ResNet50 and Custom CNN model to classify the different Manta Ray's.

**Data Analysis Of People In Certified Chemical Treatment Programs** Jan. 2021 -Apr. 2021  
Northeastern University, Boston, MA

- Implemented a ETL pipeline to extract large amount of data from a website and to load it into a SQL database.
- Analyzed and preprocessed the data using R language.
- Created a dashboard, both in Power BI and Tableau for a comparative analysis.

**Accidents In US Dashboard** Jan. 2020 - Apr. 2020  
Northeastern University, Boston, MA

- Analyzed a million entries dataset on the accidents that happened in the US.
- Learned the core concepts of visualization and analysis in R.
- Created a dashboard with R Shiny to dynamically visualize our analysis.