KRISHNA TEJA KASPE

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**EDUCATION**

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| **Master of Science - Computer Science** | **Aug 2021** | **– May 2023** |
| University of Massachusetts Boston |  |  |
| Course work: Analysis of algorithms, Applied machine learning, Database systems | | |
| **Bachelor’s in computer science and Engineering** | **Aug 2015** | **– Jun 2019** |
| PES University, India |  |  |

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| **Technical Skills**  **Programming:** | Python ,C++ |
| **REST Frameworks:** | Django,Flask, React.js,Fastapi. |
| **Front-end Frameworks:** | HTML,CSS, javascript, Node.js. |
| **Databases:** | MySQL,RDS,MongoDB.Redshift |
| **Cloud Services:** | AWS, Azure, EC2,Google Cloud,Azure OpenAI. |
| **Scraping:** | Selenium, Web Scraping, Scrapy. |
| **Technologies:** | MVC, Redis, Bitbucket Shell scripting, Postman, Docker |
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**PROFESSIONAL EXPERIENCE**

# Codesk.ai, Boston | Web Developer July 2023 - Oct 2023

* Led the development of [‘ai-forms’](https://formgeneratorv1.azurewebsites.net/) a project that autonomously generates self-hosting forms through chatbot- driven user input.
* Designed, implemented the forms to authenticate using google,linkedin also collect and store user data and hosted the project on Microsoft Azure.
* Leveraged technology stack that included OpenAI, Python,Flask,MongoDB,React.js.

# University of Massachusetts, Boston | Graduate Research Assistant

* Developed an analytics dashboard Fullstack Django web application for the Special Olympics organization, utilizing Django, amazon redshift, and Chart.js .
* Converted raw data from 10 years old data from powerBI and excel sheets to intuitive graphs.
* Employed Django rendering for the frontend, while also successfully deploying the application on Amazon EC2.

**Uthrive Inc, New York | Product Developer Summer Intern May 2022 - Aug 2022**

* Created and reviewed existing database tables on AWS server and validated data correctness.
* Transferred from *Plaid to Stripe* payment gateway.
* Worked on savings logic for *Uthrive* app to match and record savings after a transaction.
* Created sequence diagrams on complex user login flow.
* Conducted research and documentation on five banks *bofa, Discover, wellsfargo, Usbank, Citi bank*.

# University of Massachusetts Transportation services, Boston | Analyst Sep 2021 - Oct 2022

* Created Bar,charts,table Graphs using Reactjs and python on bus schedules .
* Managed and created six webpages for my university webpage. [Website link.](https://www.umb.edu/the_university/getting_here)
* Developed web app using scrapy and SQL for weekly transit reporting by crawling public websites.
* Participated in weekly project management meetings to enhance user experience.

# Kofluence, Bangalore, India | Associate Software developer Jun 2020 – May 2020

* Developed an end-to-end profile deletion feature using Django,Reactjs and Python, requiring complex business logic.
* Created a web application which can provide analytics reach,impressions,likes,brand likeness of any public Instagram username.
* Implemented payment gateways Cashfree and Paytm and leveraged business logic to expand product reach to over one million target profiles.
* Integrated user-level insights for Instagram, Facebook, and YouTube using Python and SQL.
* Successfully completed various scraping projects using tools like Requests, Selenium, Zyte, and Phantombuster.

## ACADEMIC PROJECTS

**Whale detection:** [**YouTube link**](https://www.youtube.com/watch?v=RfgeZq6-qv4&pp=ygUbdW1iIHNwcmluZyAyMDIzIGNvbXBldGl0aW9u)[**,GitHub link**](https://github.com/Krishnateja001/OperationWhale) **Mar 2023 – Apr 2023**

* Winner (500$) of UMB spring 2023 competition on environment theme based project for CS club.
* Created a web application that can detect and classify a whale based on its sound.

### Commuter decision model: [GitHub link](https://github.com/Krishnateja001/Hackathon) Jan 2021 – Feb 2021

* Winner of UMB first Machine learning hackathon.
* Users can make informed decisions by considering factors such as MBTA crowding levels based on season and average commute on the day and the availability of Uber or Lyft Predicted prices.

### Heart disease prediction: [GitHub link](https://github.com/Krishnateja001/heart_disease_prediction) Aug 2022 – Dec 2023

* Predicted if a person has a coronary heart disease based upon factors such as age, smoking habits, BMI.
* Used python, sklearn, pandas for model training and prediction.