KRISHNA TEJA KASPE

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EDUCATION

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

TECHNICAL SKILLS

Programming: Python, C++
REST Frameworks: Django, Flask, React.js, Fastapi
Front-end Frameworks: HTML, CSS, JavaScript, React.js
Databases: MySQL, MongoDB, Redshift
Cloud Services: AWS, Azure, EC2, Google Cloud, Azure OpenAI
Scraping: Selenium, Web Scraping, Scrapy
Technologies: MVC, Redis, Github, Shell scripting, Postman, Docker

PROFESSIONAL EXPERIENCE

Codesk.ai(Agilf(x)), Boston — Web Developer OpenAI, Python, Flask, MongoDB, React.js*July 2023 - Oct 2023*

- Led the development of 'ai-forms' project, which can autonomously generate a customised self-hosting forms through chatbot-driven user form description.
- Planned, designed, implemented the web app for authentication using Google, LinkedIn; stored user data, and hosted the project on Microsoft Azure.
- Hosted the project under a Godaddy domain using route 53 in AWS.

UMASS, Boston,MA — Graduate Research Assistant Django,AWS,MySQL,Chart.js *Jan 2023 - Aug 2023*

- Planned, designed, developed an analytics dashboard Fullstack Django web application for the Special Olympics organization. Converted raw survey data from 10 years old data from Excel sheets to charts.
- Employed Django rendering for the frontend, and REST apis for backend while also successfully deploying the application on Amazon EC2.
- Developed web application for current parking prices of all the universities in boston reporting by crawling public websites using scrapy and SQL.
- implemented multi threading with running multiple crawlers at same time

Kofluence, India — Associate Software Developer Django,Python,Mysql,AWS *Jun 2020 – May 2020*

- Created a hybrid app which can provide analytics reach,impressions,brand likeness of any public Instagram username.
- Created applications using tools like Requests, Selenium, Zyte, and Phantombuster which helped in saving time spent upto 15% of a day for operations team .
- Implemented payment wallet in the kofluence app integrated gateways Cashfree and Paytm and integrated user-level insights for Instagram, Facebook, and YouTube using Python and SQL.
- Worked on debugging deadlock situation in payments testing.
- Developed an end-to-end profile deletion feature using Django, React.js, and Python, requiring complex business logic.

ACADEMIC PROJECTS

Nursing Blog: Python, Flask, AWS, React.js, S3, MongoDB *Dec 2023 – Dec 2023*

- Created a blog website for a UMB nursing department where users can create articles and post them.
- Worked on a search feature for articles based on the topic.

Whale Detection: 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.GitHub link

Socialblade: Jan 2021 – Feb 2021

- A follower tracker for a given username on Instagram and displayed the stats on a graph using Chart.js.Project link

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. Project link

AWARDS

Winner (500$) of UMB Spring 2023 Competition on Environment Theme-based Project for CS Club. YouTube link, GitHub link
Winner of UMB First Machine Learning Hackathon. GitHub link