**RAVI TEJA KAMBHAMPATI**

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**ABOUT**

Currently pursuing Master’s in Computer Science With DataScience ,with strong skills in [python ,javascript , eager to contribute to IT industry through innovative solutions and continuous learning**.**

**EDUCATION**

**Master’s in computer science**University of Missouri Kansas City **May 2025**

**Coursework**: Applied Cryptography, Design Analysis and Algorithms, **GPA**: 3.66/4.0 Data Visualization, Data Mini, Advanced Operating Systems, Bigdata Technologies, Cloud Computing, Statistical Learning

**Bachelor of Technology in Computer Science and Engineering** SRM University AP **June 2022 Relevant Coursework**: Python Programming, Algorithms, Computer Architecture, **GPA:** 3.4/4.0 Operating Systems, Data Structures, practical understanding of data structures, statistics, and computer science.

**TECHNICAL SKILLS**

**Programming Languages:** Python, Java, JavaScript, C.

**Databases:** SQL, MySQL.

**Libraries**: NumPy, Pandas, Scikit-learn

**Web Technologies**: HTML, CSS, ReactJS , Redux .

**Cloud Technologies:** Amazon web services (EC2, S3, RDS, Lambda, CloudWatch).

**Others:** Linux, Unix, PowerShell, shell scripting, , Microsoft Excel.

**PROFESSIONAL EXPERIENCE**

**Software Engineer,** Think and Learn Pvt Ltd (BYJU’S), India  **DEC 2021- NOV 2022**

* Worked as a Front-End Developer for the Toppr team.
* Used Agile / SDLC methodology for analyzing the product requirements, development, integration testing and product release through Jenkins.
* Worked on ReactJS and Redux
* Implementing a comprehensive overhaul for enhanced functionality and performance with the latest tech stack.
* Added Tailwind and Bootstrap 3 CSS for specific web pages, ensuring a responsive and visually appealing UI.
* Developed CSS Utility components using Blibli's internal CSS libraries, enhancing the functionality and aesthetics of the project for future developers.

**RELEVANT PROJECTS**

**Health Monitoring Application** | Tools used: HTML, CSS, Python.

Overview: In this project, I along with a team of four people developed an application to monitor patients' health status for a hospital. We have mostly covered the use cases from admitting in the hospital to the discharge time. Admins will have the access to update the data from time to time.

**NBA Data Analytics** | Python, Pyqt5, MYSQL, API Integration, ETL, Operational & Analytical Databases, Tableau, PowerBI

* Architected a state-of-the-art analytics platform to derive value from fragmented NBA data sources. Structured disparate datasets into a focused MySQL data warehouse designed for flexibility and performance.
* Pioneered new NBA analytics capabilities through a sophisticated web application. Created powerful data visualizations to uncover actionable insights. Users now wield unprecedented power to slice and dice NBA statistics.
* Established scalable data infrastructure for strategic NBA analysis. Optimized SQL queries to enable real-time investigation of player, team, and league trends. Unlocked transformational potential for data driven decision making**.**

**Speech Recognition** |Python, CNN, TensorFlow, PyTorch, NumPy, Pandas, Scikit-learn**.**

* Created a speech-to-text machine learning algorithm using Convolutional Neural Networks, involving 4 stages of layers including convolution, max pooling, flattening, and 2 dense layers.
* The algorithm utilizes information from a Spectrogram that converts colors in an image into wavelengths in a graph to detect by CNN.
* Developed a speech-to-text algorithm using Python and deep learning frameworks like TensorFlow, Keras, and PyTorch, and libraries such as NumPy, Pandas, Scikit-learn, and Matplotlib. The dataset was obtained from Kaggle. I gained expertise in speech recognition systems using advanced machine learning techniques.