BENSON THOMAS

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EDUCATION:

Rice University, Houston, Texas, USA: Master of Computer Science   Aug 2022 – Dec 2023
- **Relevant coursework:** Web Development, Probabilistic Data Structures and Algorithms, Machine Learning, Introduction to Practical Deep Learning, and Deep Learning for Vision and Language

Christ University: BTech, Electronics & Communication   May 2021
- **Relevant coursework:** Python Programming for Beginners, Internet and JAVA, Computer Networks, Control Systems (MATLAB and Simulink)

SKILLS:

Proficient: Java, JavaScript, Python, React/Redux, MongoDB, Express.js, Node.js, Git, REST API

Intermediate: Spring Boot, Jest, MySQL, HTML, Typescript, NextJS, AWS EC2, Linux, Flask, Firebase, Matlab, Simulink

EXPERIENCE:

Affekta - Software Developer/ ML Engineer Intern   May 2023 - Aug 2023
- Improved the frontend code for the startup's platform, creating and enhancing web pages and components using React, resulting in approximately 30% improvement in user page load times
- Conducted research and utilized AI APIs to develop a pipeline, enhancing the platform's capabilities thereby producing a 20% increase in user engagement
- Gathered valuable feedback and insights through customer interactions which was leveraged to make modifications to the website which reduced the bounce rates by 25%

VIRTUSA – Associate Software Engineer   Nov 2021 – Jul 2022
- Played an integral role in the development of 3 Spring Boot projects, demonstrating expertise in building robust and high-performance applications achieving more than 90% team satisfaction
- Maintained a consistent position as the top performer within the group, constantly achieving above 85% code quality scores and earned responsibility for new and challenging projects
- Mentored and coached 3 junior developers in mastering Spring Boot, accelerating the onboarding process and enhancing team productivity by approximately 50%

PROJECTS:

Lively ([Link to site](#))
- Led the development of "Lively", a social media platform built with MongoDB, Express, ReactJS, and NodeJS, achieving a feature-complete state within a three-month development cycle
- Implemented comprehensive test coverage with JEST to rigorously assess the functionality and reliability of endpoints, resulting in an 85% test coverage rate and a reduction of 70% post-launch bug reports
- Mastered and applied new technologies like PassportJS, JEST, Redis, and AWS EC2 within a tight duration, reducing the integration and deployment time by approximately 60%

ReLearn (https://github.com/DecryptLife/ReLearn.git)
- Implemented Server Side Rendering with Next.js leading to faster initial page rendering by 25%
- Implemented both admin and user functionalities thereby allowing the admin to manage courses thus reducing admin workload by 50%

Predict Movie Performance based on social media response to the movie's YouTube Trailer ([Link](#))
- Conducted data-driven research to correlate social media engagement with a movie's YouTube trailer to the performance achieving a 73% prediction accuracy
- Compared machine learning algorithms to quantitatively assess and measure social media responses to movie trailers, integrating factors such as likes, shares, comments, and sentiment analysis resulting in 14% increase in prediction precision
- Led a team of 3 to ensure the timely completion of projects, meeting deadlines, and achieving a 100% on-time delivery rate resulting in improved team efficiency and productivity