BENSON THOMAS

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EDUCATION

Rice University, Houston, Texas, USA: Master of Computer Science (GPA: 3.83)   Aug 2022 - Dec 2023
- **Relevant coursework:** Web Development, Probabilistic Data Structures and Algorithms, Machine Learning, Introduction to Practical Deep Learning, Deep Learning for Vision and Language

Christ University: BTech, Electronics & Communication (GPA: 3.85)   Jun 2017 - May 2021
- **Relevant coursework:** Python Programming for Beginners, Internet and JAVA, Computer Networks, Control Systems

SKILLS

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

Intermediate: MySQL, Typescript, PostgreSQL, Redis, NextJS, AWS EC2, Azure ML Studio, Web Sockets, WebRTC

EXPERIENCE

Affekta - Software Developer/ ML Engineer Intern   May 2023 - Aug 2023
- Enhanced front-end code for the startup's platform by developing and refining web pages and components using **TypeScript**. Integrated **Recoil** for efficient state management, effectively minimizing unnecessary re-renders leading to a **30%** improvement in load times.
- Researched and implemented AI-based techniques, deploying enhanced solutions through **Azure ML Studio**. Optimized and debugged existing code, leading to a **25%** reduction in processing time

VIRTUSA – Associate Software Engineer   Nov 2021 – Jul 2022
- Collaborated in the development of **two** Spring Boot projects, demonstrating expertise in building robust and high-performance applications achieving more than **90%** team satisfaction
- Coached **two** junior developers in master **Spring Boot**, accelerating the onboarding process and enhancing team productivity by approximately **50%**

PROJECTS

[Lively](#)
- 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**

[ReLearn](#)
- Implemented Server Side Rendering with **Next.js** leading to **faster initial page rendering by 25%**
- Designed **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](#)
- Examined various machine learning algorithms to assess and measure social media responses to movie trailers quantitatively, integrating factors such as likes, shares, and comments resulting in a **14% increase in prediction precision**
- Coordinated 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

ADDITIONAL INFORMATION:

Rice Graduate Appartments - Resident Associate   Nov 2022 - Dec 2023
- Developed and implemented web scripts to automate the parking system, thereby reducing administrative workload by **70%**. Managed complex data sets using Excel, and integrated data visualization techniques facilitating **40%** quicker decision-making
- Effectively handled **500+** resident queries, played a key role in coordinating **15+** events, and actively participated in team meetings to improve the housing experience