Abhiram Kukkapalli

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EDUCATION

Master of Science (M.S.) - Computer Science   Aug 2022 - Dec 2023 (Expected)

INDIANA UNIVERSITY BLOOMINGTON, Bloomington, IN

Relevant Coursework: Applied Algorithms, Elements of Artificial Intelligence, Data Mining, Applied Machine Learning, Software Engineering, Advanced Database Technologies.

Bachelor of Technology (B.Tech.) - Computer Science - GPA: 8.23   Aug 2018 - Apr 2022

PRESIDENCY UNIVERSITY, Bangalore, INDIA.

Relevant Coursework: Algorithm Design and Analysis, Operating Systems, Machine Learning, Artificial Intelligence, Human-Computer Interface, Object Oriented Programming.

SKILLS

- **Programming and Scripting Languages:** Python, Java, C, HTML, CSS, JavaScript.
- **Libraries and Frameworks:** React JS, Node JS, Bootstrap, Scikit Learn,Network X, Jekyll.
- **IDE and Platforms:** Android Studio, Service Now, Jira, Git.
- **Cloud and Database:** Google Cloud Platform, MySQL, PostgreSQL, MongoDB, Firebase.

PROFESSIONAL EXPERIENCE

Real-Time Face and Emotion Detection using Deep Learning

- Collaborated with a team to develop an application that detects emotions and sentiments of individuals from raw video inputs using CNN and Pairwise Differential Siamese Network.
- Prepared custom datasets of images with and without occlusion to train the model, achieving a 95% accuracy rate.
- Contributed to the project's core idea of processing raw video inputs to determine an individual's emotions and the sentiment of the spoken context.

Event Management System (Link)

Role: Team Lead

- Led a team in developing a user-friendly web application for event management using the MERN stack (MongoDB, Express, React, Node.js).
- Designed and implemented a database schema using MongoDB for data consistency and efficiency and deployed it on Render.
- Integrated third-party APIs like stripe, tawk.io and mirrorfly for online payments, facilitating smooth payment collection for event organizers.
- Utilized Agile methodologies, Jira for project management, and organized work into sprints to ensure timely delivery of features and effective collaboration among team members.

Web App Developer Intern   Bangalore

Bolt IOT   Feb 2021 to April 2021

- Managed projects that included building a company profile and a photo gallery webpage, effectively communicating with clients to ensure their requirements were met.
- Utilized HTML and CSS tags to create visually appealing web pages that provided a seamless user experience for visitors.
- Created a Photo Gallery webpage, Inventrom Website, and a Website for Coffee Shop.

Java-based Student Registration Management System

- Collaborated with a team to implement JSP, JDBC, and Forms for the back-end functionality, resulting in a streamlined registration process for students and faculty.
- Designed and developed a front-end using React JS, enabling students to log in and register for classes according to seat availability.