

Allen Bijo T

I am an aspiring student having passion in Machine Learning, interested in developing applications that integrate seamlessly with people's lives. I have the skills, the ambition and the curiosity to learn new things and create solutions that can bring about a positive change to everyday life.

Email: allenbijot@gmail.com

Portfolio: allenbijo.com

Github: github.com/allenbijo

Mobile: +91 99401 84086

Linkedin: linkedin.com/in/allenbijo

EDUCATION

- **Vellore Institute of Technology (VIT) Chennai** Chennai, India
Bachelor of Technology in Computer Science with spec. in AI and ML ; GPA: 9.0 2021 - Present
Courses: Design and Analysis of Algorithms, Object Oriented Programming, Machine Learning, Data Science, etc
 - **GATE DA:** Score: 712 AIR:253 (Jan 2024)
 - **GATE CS:** Score: 485 AIR:6226 (Jan 2024)
 - **JEE Mains:** Percentile: 96.911 (2021)
 - **Class 12:** Score: 93.6% (2021)
 - **Class 10:** Score: 95% (2019)

EXPERIENCE

- **Indian Institute of Science (IISc)** Bengaluru
Research Intern (Full-time) August 2023 - November 2023
 - **Analysis on NeRFs:** Analyse performance of different Neural Radiance Fields
 - **Dataset Collection:** Collect 360 Image Dataset for accurate scale reconstruction
 - **Resize and Background removal:** Implementation for scale accurate resizing and automatic 3D environment removal

PROJECTS

- **Data Analytics Chatbot:** The Data Analytics Bot is a powerful tool designed to take in various data sources and generate insightful graphs, making inferences from these visualizations. Leveraging advanced language models like GPT-4 and GPT-4o, this bot provides detailed analysis and predictions based on the data it processes. A paper detailing the methodologies and findings of this project is currently in the process of being written.
Technologies Used: OpenAI API.
- **Smart Alarm Clock (GitHub):** The Smart Alarm Clock is an innovative alarm system designed to adapt to your unique sleeping patterns. By learning from your snoozing behavior, it intelligently adjusts the alarm time to ensure you wake up at the optimal moment for your scheduled events.
Technologies Used: Keras, Calendar API, Traffic API, Flask.
Achievements: Finalist in IEEE-Yesist Innovation Challenge held in Egypt. (October '18)
- **Emotion Bot (GitHub):** Emotion Bot is a questionnaire system that records video responses and analyzes emotions from both video and audio inputs. This project leverages advanced machine learning techniques to provide insights into the emotional states of users.
Technologies Used: OpenCV, Librosa, Keras, Flask.
- **Smart Glasses (GitHub):** The Smart Glasses project involves the development of IoT-enabled glasses that can identify faces from your contact book, provide relevant information, and execute commands based on gestures. Additionally, the glasses have a built-in threat detection system to alert users of potential dangers from behind.
Technologies Used: Arduino, OpenCV, Contacts API, YOLO.
- **Rekognise (GitHub):** Rekognise is an advanced attendance system that utilizes face detection technology to automate the process of tracking and recording attendance. This system aims to increase accuracy and efficiency by reducing the need for manual input and minimizing errors.
Technologies Used: MTCNN, OpenCV, Resnet, FastAPI.
- **Auto Calendar Scheduler (GitHub):** The Auto Calendar Scheduler is designed to streamline your daily routines by integrating with Google Calendar. It automatically schedules recurring chores and tasks around your existing events, enhancing productivity and time management.
Technologies Used: Python, Google Calendar API.

SKILLS SUMMARY

- **Languages:** Python, R, SQL, C++, Java, JavaScript
- **Frameworks:** Scikit, TensorFlow, Pytorch, Keras, Django, Flask

OTHER EXPERIENCE

- **Volunteer at NSS VIT Chennai** Chennai, India
Participated in multiple events for betterment of society, member of Debate team Feb 2023 - Present
- **Member of Open Source Programming Club VIT** Chennai, India
Assisted in ongoing open source projects Feb 2023 - Present