Alen T. Thomas

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EDUCATION

APJ Abdul Kalam Technological University, STIST   **Thiruvananthapuram, Kerala**
B.Tech in Computer Science Engineering   *Expected Graduation, May 2025*
- o **Concentrations:** Web Development and Python Programming
- o **GPA:** 7.02/10, *Currently s7*
- o **Related Coursework:** Data Structures & Algorithms, Web development, Front End Development, Combinatory, Machine Learning, Artificial Intelligence, Object-Oriented Programming, Statistics & Applications

EXPERIENCE

Srishti Innovative Computer Systems Pvt Limited   **Thiruvananthapuram, Kerala**
Python Programmer Intern   *April 2023 – May 2023*

- Created Python scripts to construct a pipeline that retrieved performance data from the AWS cross-regional team

- Developed various stacks on Node.js for data sources such as CloudWatch, Bindles DataLake, and DynamoDB

- Developed Various Python Applications to be used in Industrial Levels and the illustrations to it in Industrial perspective.

PACELAB Pvt Limited   **Ernakulam,Kerala**
Cloud Computing Intern   *September 2022*

- Monitoring cloud resources and services (e.g., AWS, Azure, Google Cloud) to ensure they are operating efficiently

- Helping to set up, configure, and maintain virtual machines, storage, and compliance.

Freelancing Works   **Worldwide**
Web Development Projects   *July 2024-Present*

- Design and developed responsive websites and web applications using HTML, CSS, JavaScript, and frameworks

- Developed and customized e-commerce platforms using frameworks like Shopify or Magento.

- Built interactive and user-friendly interfaces with modern JavaScript frameworks and libraries.

PROJECTS

GESTURE CONTROLLED DRONE USING MEDIA PIPE   **Thiruvananthapuram, Kerala**
Team Member   *July 2024 – Present*

- Developed a real-time gesture recognition system using Google's MediaPipe framework to control drone movements

- Trained custom gesture recognition models to accurately detect hand gestures for drone command inputs, such as takeoff, landing, and directional movement

- Conducted extensive testing of the gesture-controlled system to ensure reliability under various lighting conditions and environments.

BIOMETRIC VOTING SYSTEM   **Thiruvananthapuram, Kerala**
Team Coordinator   *Feb 2024 – Jun 2024*

- Coordinated the planning and execution of the biometric voting system project, ensuring alignment with project objectives, timelines.

- Oversaw the design and architecture of the biometric voting system, including hardware selection, software frameworks, and database structures.

- Reviewed technical designs, code, and system configurations to ensure adherence to project requirements and industry best practices.

ACTIVITIES AND LEADERSHIP

National Service Scheme   **Thiruvanthapuram, Kerala**
Volunteer   *May 2022 – August 2023*

- Participated in various community development projects such as tree planting, sanitation drives, and awareness campaigns.
- Assisted in conducting health camps, blood donation drives, and vaccination programs to promote public health and hygiene

SKILLS

Programming: JavaScript, Python, HTML/CSS, SQL, Node.js, React.js, MATLAB, C++, C, Swift (iOS)
Tools: Visual Studio Code, React, Angular, Node.js, Django, Figma, AdobeXD, Git, GitHub