

S.Aariyan

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India, Kerala-682019

Portfolio-<https://portfolio-1-xlzb.onrender.com/>

Aspiring Full Stack Developer with hands-on experience building API-driven web apps and machine learning models. Proficient in the MERN stack, RESTful APIs, and real-time data visualization. Currently a 3rd-year B.Tech Computer Science student at MITS, Kochi.

EDUCATION

Muthoot Institute of Technology and Science – Kochi, Kerala

Bachelor of Technology in Computer Science and Engineering — Expected May 2027

- Relevant Coursework: Data Structures and Algorithms, Web Development, Operating Systems, Database Management Systems
- Projects: Built a network traffic anomaly detection system using Python and machine learning
- Current Standing: 3rd Year Student

WORK HISTORY

Corizo – *Machine Learning Intern*

June 2024 – August 2024

Corizo is an ed-tech company offering mentor-led, industry-relevant training in tech fields like full stack development, AI/ML, and data science to help students become job-ready.

- Developed a **network-traffic anomaly detection pipeline** using **Python**, leveraging **Pandas** for data preprocessing and feature engineering.
- Applied unsupervised machine learning models—**k-Nearest Neighbors**, **Deep Autoencoder (via TensorFlow/Keras)**, and **Isolation Forest**—to detect anomalous network flows.
- Evaluated model performance using metrics like **precision, recall, and ROC/AUC**; compared algorithms and selected the most effective for detecting traffic anomalies.
- Automated end-to-end workflow: from **data ingestion and cleaning** to **feature extraction, model training/testing**, and **result visualization**.
- Technologies/tools used: **Python (Pandas, NumPy)**, **scikit-learn**, **TensorFlow/Keras**, **Jupyter Notebook**, **Matplotlib/Seaborn** for visualizations.

BlueStocks – *Software Engineer Intern*

January 2025 – March 2025

Bluestock is a Pune-based fintech company offering a stock market analytics platform with real-time data, IPO tools, broker comparisons, and a community for traders, with over 500,000 users.

- Built a responsive stock analytics website for Bluestock using the **PERN stack (PostgreSQL, Express.js, React.js, Node.js)**.
- Integrated real-time stock market **APIs** and visualized data using **Math.js** and **chart libraries**.
- Used **Tailwind CSS** to design a clean, mobile-friendly UI.

- Implemented **bot detection logic** to ensure secure API access and user authenticity.
- Delivered **interactive charts and dashboards** to display IPO trends and stock performance.

PROJECTS

Trav-Mov – Movie-Based Itinerary Generator

(Live at: travel-mov-static.onrender.com)

- Developed a dynamic, API-driven travel planning platform that generates custom itineraries based on selected movies.
- Built using the **MERN stack** (MongoDB, Express.js, React.js, Node.js) with **RESTful API architecture** for seamless data flow.
- Integrated third-party **movie data APIs** (e.g., TMDb) and **geolocation APIs** to map film settings to real-world travel destinations.
- Implemented **lazy loading**, **JWT-based authentication**, and **responsive UI** with **Tailwind CSS** to enhance user experience and performance.
- Deployed the application with **Render** and **MongoDB Atlas**, ensuring cloud-based scalability and persistent storage.

Gemini Clone

<https://github.com/Aariyan007/Gemini-Clone>

- Created a conversational AI web app inspired by Google Gemini, using **React.js**, **Node.js**, and **Express.js**.
- Integrated **Google Gemini API** to handle real-time user prompts and generate intelligent, context-aware responses.
- Designed a responsive frontend with **Tailwind CSS**, implementing clean layouts and state handling with **React Hooks**.
- Secured API calls with **environment variable management** and optimized request/response handling for fast performance.
- Built and tested **RESTful** routes, enabling structured communication between frontend and backend components.

SKILLS

- **Languages:** Python, Java, C, JavaScript, SQL, HTML, CSS
- **Frameworks:** React.js, Node.js, Express.js
- **Libraries:** TensorFlow, Pandas, NumPy, Scikit-learn, Math.js
- **Styling:** Tailwind CSS, Bootstrap
- **Databases:** MongoDB, PostgreSQL
- **Tools & Platforms:** Git, GitHub, Jupyter Notebook, Render, Vercel, RESTful APIs
- **Concepts & Methodologies:** Agile, Test-Driven Development (TDD), CI/CD, API Integration, JWT Authentication, Responsive Web Design, Data Visualization, Unsupervised Learning, Anomaly Detection