

Pavithran Arul

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github.com/pavithranarul

Actively seeking opportunities to apply my knowledge in software development, data science, and emerging technologies. Eager to grow in a dynamic environment that fosters creativity and collaboration.

Quick Guide

- Experienced in Java full-stack development, secure communication platforms, machine learning for ECG analysis, and Android app development, with a focus on efficient and secure solutions.

Education

Annamalai University, BE in Computer Science and Engineering Nov 2021 – June 2025

- GPA: 8.68/10
- **Coursework:** Data Structures, Designing and Analysis of Algorithm, Computational Theory.

Experience

Java Full-Stack Development Intern, Shiash InfoTech – Sholinganallur, Chennai Aug 2024 – Oct 2024

- Proficient in building dynamic web applications using Java, Spring Boot.
- Skilled in integrating front-end frameworks like HTML, CSS, and JavaScript with robust Java backends.
- Experienced in implementing secure, scalable, and maintainable database structures using SQL.

Artificial Intelligence and Machine Learning Intern, AIIRF – IncubationCentre June 2023 – July 2023

- Developed machine learning models for predictive analytics using advanced algorithms.
- Utilized Python and key libraries (e.g., Pandas, Scikit-Learn) for model creation and data handling.
- Trained and validated models on diverse datasets to enhance predictive accuracy.

Projects

Secure Military Communication Platform github.com/pavithranarul/web

- Developed a full-stack Java web application for secure, efficient communication across military hierarchy.
- Tools Used: Java, HTML, CSS, JavaScript, MySQL, SSL Encryption, JWT(json web token).

OctagramChat

github.com/pavithranarul/app

- A basic app developed using Java and XML that utilizes Firebase for database collection and user authentication. Users can chat with others by knowing their usernames, and the OTP generation feature is currently under development and needs refinement.
- Tools Used: Java, XML, Firebase, Gradle, Android SDK, Kotlin.

Banking System 2023

- Dynamic website that utilizes a MySQL database with dummy data for managing customer interactions.
- Tools Used: HTML, CSS, PHP, SQL, Wampserver.

Technologies

Languages: C++, C, Java, SQL, Python, Swift and dart as beginner.

Technologies: MySQL Server, XCode, Android Studio.