



# ATHALLAH KHAIRI YARISTYAN

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Computer Engineering graduate with hands-on experience in Frontend and Fullstack Web Development, specializing in React, Next.js, TypeScript, Node.js and REST API integration. Passionate about building clean, responsive, and user-centric interfaces. Experienced in implementing scalable components, integrating analytics, and working with AI-powered services. Strong communication, teamwork, and problem-solving abilities, with a drive to deliver high-quality digital products.

## Education Level

**Institut Teknologi Sepuluh Nopember - Surabaya, Indonesia**

Aug 2021 - Aug 2025

*Bachelor of Computer Engineering, 3.29/4.00*

- Final Project: Development of an AI-Powered Investment Advisor Chatbot using LLM for stock trend predictions and buy/sell recommendations.
- Relevant Coursework: Data Structures & Algorithms, Database Systems, Internet Applications, System Design, Artificial Intelligence, Data Science.

## Work Experiences

**Mandiri Sekuritas - Jakarta, Indonesia**

Sep 2024 - Dec 2024

*Frontend Engineer Internship*

PT Mandiri Sekuritas is one of Indonesia's leading investment banking and securities companies, providing services in capital markets, investment management, and digital investment platforms.

- Integrated Mixpanel analytics into the Growin Invest Web platform to track user behavior and events accurately.
- Developed a modular AI-powered popup chatbot (DIMA) using React components, with dynamic popup states, smooth animations, and responsive UI.
- Implemented secure API communication and optimized component rendering using React Hooks and local state management.
- Collaborated with UI/UX and backend teams to ensure consistent design, fast loading, and seamless API integration.

## Organisational Experience

**Badan Eksekutif Mahasiswa FTEIC - Surabaya**

Jul 2023 - Feb 2024

*Staff of Media Information*

A student organization that functions as the executive branch of student government within a university. It is responsible for representing student interests, organizing events, and coordinating activities that enhance the educational experience.

- Designed and delivered 30+ digital assets (posters, infographics, banners) to promote events and initiatives, resulting in 30% increase in interaction and engagement.
- Managed social media accounts, including scheduling posts, and achieving over 20% growth in followers.
- Captured photos and videos during events and activities, also edited more than 10 multimedia content for promotional and information purposes.

**Multimedia and Game Event - Surabaya**

Jun 2023 - Jan 2024

*Head of Marketing*

Computer Engineering Department annual series of events, which includes competitions and workshops. MAGE provides a platform for students and academics to explore creativity, innovation and capabilities in various current IT fields.

- Promoted events by developing and executing marketing campaigns to increase awareness and participation accros 3 competitions and 2 workshops.
- Created comprehensive promotion strategies to effectively reach target audiences and achieve marketing goals, resulting in 25% increase in participant compared to previous year.

## Projects & Skills

- **Stockbots— AI-Powered Investment Advisor Chatbot WebApp** (2025): Built a full-stack AI chatbot with real-time stock insights, trend predictions, and buy/sell recommendations. Designed reusable frontend components (Chat UI, StockCard, TrendChart). Implemented API integration with FastAPI backend, including embeddings and vector search. Achieved 87% short-term price prediction accuracy during model evaluation.
- **Expensave — Group Expense Tracking Platform** (2025): Tech: Next.js, Go (Gin), Prisma, PostgreSQL. Built a full-featured group expense management web app with user authentication, group creation, expense logging, and settlement calculations. Developed a clean and responsive Next.js frontend, using Zustand for state management and reusable UI components. Implemented a Go REST API backend with Gin, including authentication, CRUD endpoints

- **Helmdall — IoT-Based Drowsiness Detection Helmet** (2024): Developed a lightweight Android mobile app using Android Studio (Java) for real-time monitoring and dashboard updates, seamlessly integrated with ESP32-CAM for drowsiness detection. Optimized data handling for fast and efficient communication between hardware and app, achieving 97% detection accuracy and enabling low-latency alerts during tests trials.
- **Soft Skills:** Teamwork, Communication, Creativity, Problem Solving, Time Management, Creativity, Attention To Details
- **Hard Skills:** Javascript, TypeScript, Python, C++, React, Next.js, TailwindCSS, Node.js, Express.js, Go (Gin), FastAPI, REST API, PostgreSQL, Prisma ORM, MongoDB, SQL, Git/GitHub, Postman