MUHAMMAD AIMAN

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SUMMARY

I am a undergraduated at Politeknik Negeri Jember, majoring in Information Technology, with a concentration in Informatics Engineering. I have expertise and passion in Web Development, Game Development, Graphic Design, UI/UX, and IoT. My specialization in web development using Laravel and PHP allows me to build functional and efficient web applications.

Additionally, I have a strong interest in Internet of Things (IoT) and UI/UX design, enabling me to create innovative and user-friendly technology solutions. With a combination of technical and design skills, I am committed to developing high-quality and impactful digital products.

WORK EXPERIENCE

Intern PNBP, Tompokersan & Politeknik Negeri Jember   **Jun 2024 - Mar 2025**

- Assisted in the development of web applications using the Laravel
- Assisted in designing the user interface and creating a manual book to facilitate the use of the application by the Tompokersan community.

Intern, e - Badean & Politeknik Negeri Jember   **Feb 2024 - Sep 2024**

- Assisted in the development of web applications using the Laravel
- Managing projects, designing user interfaces, creating mobile and web designs, and conducting web application testing.
- Collaborated with cross-functional teams, enhancing project success rates by 10%.

EDUCATION

Bachelor of Informatics Engineering   **Aug 2022 - Present**

State Polytechnic of Jember

- Studied the principles of software engineering, including the software lifecycle, testing techniques, machine methodologies, and quality assurance.
- Explored web development technologies, including various frameworks, to design responsive and user-friendly interfaces. Additionally, studied IoT (Internet of Things) and machine learning to understand the application of smart technologies in various systems.

Science   **Aug 2019 - Jun 2022**

State Islamic Senior High School 1 Pasuruan

- Explored mathematics to enhance logical thinking and problem-solving skills, crucial for application and technology development.
- Delved into physics to grasp the fundamental principles that underpin technology and hardware.
- Gained insights into biology and chemistry to expand understanding of how natural sciences can be applied in various fields, including biotechnology and the development of science-driven systems.

Graphic Design, Animation & Application   **Aug 2019 - Jun 2022**

Prodistik Institute Of Technology Sepuluh Nopember

- Honed graphic design skills using tools such as Corel and Adobe Illustrator, allowing for the creation of visually appealing and professional designs.
- Developed applications using Adobe Animate and App Inventor, gaining hands-on experience in the design and development of interactive software.
- Mastered layout design and enhanced proficiency in Microsoft tools, enabling effective and efficient document, presentation, and spreadsheet management.

ACHIEVEMENT

- **Finalist of CITECH 2024 University of Jember National** Level in Web Design, organized by the Linux and Open Source Student Organization (LAOS) of the University of Jember.
- **4th Runner-up at Procommit v11 Prodistik ITS 2021 in the Design category**, Instagram Content Design, National Level at Institut Teknologi Sepuluh Nopember.
- **3rd Place in Graphic Design** at Porseni Pasuruan Regency Level.

PROJECT

- **Sistem Informasi Rahmatan Travel** A desktop, website, and mobile-based app for managing travel services in Jember, which includes features like destination details, transportation, and ticketing.
- **Sistem Aplikasi Surat Menyurat E-badean Kel Badean** A web and mobile-based app for managing correspondence in Bondowoso Regency, focusing on frontend and backend development and UI/UX design.
- **Tailor Ts** A desktop-based app for managing tailoring services, including features for order tracking, customer management, and billing.
- **Web-Based Tourism Application for Jember (JemberSpot)** A web-based app introducing tourism spots in Jember, including details on culinary spots, ticket prices, facilities, travel distances, and transportation options.
- **Hydroponic Monitoring and Control IoT System** An IoT-based project for monitoring and controlling hydroponic systems, utilizing sensors like DHT22, water flow, pH, and ultrasonic sensors, powered by an ESP32.
- **Tompokersan Surat Menyurat Application** A web and mobile-based application for managing correspondence in Tompokersan, similar to the E-badean system in Kel Badean, focused on improving communication and administrative efficiency.