

Amanda Putri

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Summary

Informatics student with a passion for turning ideas into practical, creative tech solutions. Focused on blending design, innovation, and functionality to make a meaningful impact in every project.

Education

President University - Bekasi, Indonesia Sep 2023 - Present

Bachelor of Informatics

- Concentration: Internet of Things
- Current GPA: 3.82 / 4.00
- Organization: President University Major Association of The Informatics (2023 - 2024)

Work Experience

SetSail BizAccel - Bekasi, Indonesia Jan 2024 - May 2024

Website Developer Intern

- Designed and developed websites for student business tenants to enhance their digital presence
- Supported creative strategy in UX, branding, and content coordination
- Participated as a committee member for SetSail-hosted entrepreneurship and innovation events

SetSail BizAccel - Bekasi, Indonesia Oct 2024 - May 2025

PIC of Website Developer

- Mentored new interns on technical tasks and supported the website development pipelines
- Reviewed code for quality, consistency, and UI/UX effectiveness
- Helped organize and manage entrepreneurship and innovation events hosted by SetSail

Badan Riset dan Inovasi Nasional - Serpong, Indonesia Apr 2025 - May 2025

Research Intern

- Developed a water monitoring system using ESP32-CAM to detect color changes in biofloc water
- Implemented RTC-based timestamping for image timestamping and data collection
- Designed a functional camera casing in Tinkercad for prototype deployment

Project

Autonomous Mobile Robot for Obstacle & Fire Detection Feb 2025

- Designed a robot for obstacle and fire detection using ultrasonic sensors, fire sensors, PID control
- Programmed movement logic for pathfinding and hazard avoidance

Arduino Traffic Light System with 7-Segment Display Jan 2025 - Feb 2025

- Simulated real-world intersection logic using LEDs and countdown timers with shift registers, cycling through North-South and East-West green-yellow-red phases.

Volunteering

Economic Survival Class Business project Exhibition (Usher) May 2024

Assisted with guest directions, provided information to attendees, and ensured a welcoming and organized environment during the event.

PUMA IT x HIMATIF UNPAD Comparative Study (Documentation) Mar 2024

Person in charge of documenting the event through photos and videos. Created a recap videos to showcase the highlights experience.

Skills

- Languages: HTML, CSS, JavaScript, PHP, Java, SQL, C/C++ (Arduino)
- Tools: VS Code, Git, Android Studio, Canva, Arduino IDE, Blender
- Other: UI/UX Design, Video Editing, Photography, Team Collaboration, Technical Support

Projects

Autonomous Mobile Robot for Obstacle & Fire Detection

- Designed a robotic system combining a self-driving vehicle, obstacle-removal arm, PID controller, ultrasonic sensors, and fire hazard detection using a fan actuator.

WiFi-Controlled Robot Car (ESP8266)

- Developed a web-controlled vehicle using an ESP8266 microcontroller and L298N motor driver, with movement and speed controlled via a browser interface.

Arduino Traffic Light System with 7-Segment Display

- Simulated real-world intersection logic using LEDs and countdown timers with shift registers, cycling through North-South and East-West green-yellow-red phases.

TO-Day (To-Do List App)

- Web app that organizes daily tasks and suggests activities (HTML/CSS).

3D Design and Animation

- Designed a full 3D scene including background and human characters using Blender. Applied textures, materials, and animation techniques, bringing the scene to life with visual storytelling.

Volunteering

2024 | Economic Survival Class Business project Exhibition | Usher

- Assisted with guest directions, provided information to attendees, and ensured a welcoming and organized environment during the event.

2024 | PUMA IT x HIMATIF UNPAD Comparative Study | Documentation

- Person in charge of documenting the events by taking photos and recording videos throughout the event. Created a recap videos to showcase the highlights experience.

2024 | Launching Alpha Version of LightenUp App | Social Media and Documentation

- Responsible for handling event documentation and managing content for social media, including making Instagram posts and reels.

Skills

- Languages: HTML, CSS, JavaScript, PHP, Java, SQL, C/C++ (Arduino)
- Tools: VS Code, Git, Android Studio, Canva, Arduino IDE, Blender
- Other: UI/UX Design, Video Editing, Photography, Team Collaboration, Technical Support

Language

- Indonesian – Native
- English – Proficient (Duolingo English Test: 110)

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SUMMARY Second-year Informatics student at President University with a concentration in IoT. Passionate about technology, robotics, and design, with a drive to build meaningful systems that combine creativity with real-world functionality. Experienced in website development, embedded systems, and multimedia design. Known for being adaptive, detail-oriented, and collaborative in team settings.

- WORK EXPERIENCE**
- Website Developer Intern | SetSail BizAccel** Jan 2024 - May 2024

 - Designed and developed websites for student business tenants using HTML, CSS, JavaScript, and PHP
 - Collaborated with startup teams to meet user and branding needs
 - Participated as committee member for SetSail-hosted entrepreneurship and innovation events
- PIC of Website Developer | SetSail BizAccel** Aug 2024 - May 2025

 - Mentored new interns on technical tasks and supported website development pipelines
 - Reviewed code for quality, consistency, and UI/UX effectiveness
 - Continued involvement in planning and organizing innovation-driven campus events
- Research Intern | Badan Riset dan Inovasi Nasional** Apr 2025 - May 2025

 - Contributed to water quality monitoring in biofloc aquaculture using ESP-32 CAM
 - Assisted in designing hardware-software integration for environmental data analysis

- EDUCATION**
- Bachelor of Informatics** Aug 2023 - Present
President University

 - Concentration in Internet of Things
 - Current GPA: 3.82

- KEY SKILLS**
- Languages: HTML, CSS, JavaScript, PHP, Java, SQL, C/C++ (Arduino)
 - Tools: VS Code, Git, Android Studio, Canva, Arduino IDE, Blender
 - Other: UI/UX Design, Video Editing, Photography, Team Collaboration, Technical Support

- LANGUAGE**
- Indonesian – Native
 - English – Proficient (Duolingo English Test: 110)

PROJECTS

Autonomous Mobile Robot for Obstacle & Fire Detection

Designed a robotic system combining a self-driving vehicle, obstacle-removal arm, PID controller, ultrasonic sensors, and fire hazard detection using a fan actuator.

WiFi-Controlled Robot Car (ESP8266)

Web-controlled vehicle using ESP8266 microcontroller and L298N motor driver. Movement and speed controlled through a browser-based interface.

Arduino Traffic Light System with 7-Segment Display

Simulated real-world intersection logic using LEDs and countdown timers with shift registers, cycling through North-South and East-West green-yellow-red phases.

BMI Calculator (Java)

Computes BMI and gives categorized health tips.

TO-Day (To-Do List App)

Web app that organizes daily tasks and suggests activities (HTML/CSS).

3D Design and Animation

Designed a full 3D scene including background and human characters using Blender. Applied textures, materials, and animation techniques based on what I learned, bringing the scene to life with visual storytelling.
