Aman Jain

❖ (949) 532-9113 ❖ aman.jain030704@gmail.com ❖ 633 Langdon St, Madison, WI, 53703 ❖ ajmsd.github.io ❖ LinkedIn

EDUCATION

University of Wisconsin - Madison   **May 2025**
BS, Computer Science   *Madison, WI*
- Relevant courses: Data Structures, Algorithm Analysis, Operating Systems, Software Engineering, Theory of Programming Languages, Computer Graphics, Artificial Intelligence, User Interfaces, Game Design

WORK EXPERIENCE

Mphasis   **May 2024 – Aug 2024**
Software Developer Intern   *India*
- Developed an airline ticket booking system using AWS services in an agile team environment.
- Automated order creation based on passenger lists and preferences.
- Integrated DynamoDB to optimize order retrieval and data storage.
- Implemented cost calculation logic and supported multiple payment methods.

Truly   **Jul 2023 – Jan 2024**
Bot Developer & Producer   *Singapore*
- Led a team of developers, overseeing project direction, task delegation, and milestone tracking.
- Created a 24/7 Telegram bot using Python, engaging a Gen Z audience with real-time responses.
- Managed user data with MongoDB, conducting data analysis to enhance personalization.
- Built FastAPI endpoints and optimized pyTelegramBotAPI interactions, increasing user engagement.

Wisconsin Union   **May 2024 – Present**
Building manager   *Madison, WI*
- Primary point of contact for building operations, handling urgent facility concerns and coordinating resolutions.
- Designed and developed the Weather Rubric App, replacing an Excel-based system for outdoor event planning.
- Integrated OpenWeather API for real-time weather data with manual and automated input modes.
- Implemented US AQI Scale and wet-bulb temperature analysis for air quality and heat stress assessment.
- Improved event decision efficiency, reducing errors and providing instant, data-driven recommendations.

RESEARCH EXPERIENCE

Storage Research Trends Analysis, UW-Madison   **Jan 2025 - Present**
Research Assistant | Advisor: Prof. Remzi Arpaci-Dusseau   *Madison, WI*
- Analyzing 10+ years of storage research trends using papers from multiple conferences..
- Developing a data-driven categorization framework to analyze citation impact and emerging research trends.
- Identifying gaps between academic research and industry challenges to provide insights for future advancements.

HACKATHONS & PROJECTS

- **Asocial (Web Game, 2023)**: Built a social media algorithm simulator, illustrating the negative effects of doomscrolling through interactive game mechanics and narrative design.
- **ProjectFumark (Idle Game Development, 2023):** Created an educational game to raise awareness about hunger and environmental conservation with pixel art and 2D animations.
- **Clotherizer (HTML, CSS, JS, 2022):** Developed a web app promoting LGBTQ+ awareness and sustainable fashion, directing proceeds to charity.

SKILLS

- **Programming Languages:** Java, Python, HTML, CSS, JavaScript, Bash, Haskell
- **Web Development:** HTML, CSS, React, React Native, Flask
- **Tools & Technologies:** MongoDB, AWS
- **Game Development:** Unity, Godot, Blender