Shashwat Mishra

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EDUCATION

University of Cincinnati **CINCINNATI, OH**
Bachelor of Science in Computer Science Expected Grad. May 2027
GPA : 3.4
Relevant Coursework: Data Structures & Algorithms, Python OOP, Linear Algebra, Discrete Structures
Achievements: CEAS Outreach Scholarship, Dean's List - Spring 2023
Campus Involvement : Treasurer @ Society of Asian Scientists and Engineers (SASE)

- Planned and organized social fundraisers and professional development events
- Managed the budget for various events, applied and negotiated funding from university's funding board

EXPERIENCE

POSSIP **REMOTE**
Software Engineering Intern January 2024 – April 2024

- Implemented a data processing and integration pipeline using Pandas, Seaborn, and Google Cloud Platform (GCP), enabling automated data aggregation, analysis, and visualization for streamlined reporting
- Developed deep learning models achieving 87% accuracy in text classification and sentiment analysis, a 5% improvement over previous models
- Utilized AWS tools (Sagemaker, S3, DynamoDB), resulting in a 30% reduction in data processing time

COMPUTER SCIENCE DEPT. **CINCINNATI, OH**
Undergraduate Teaching Assistant August 2023 - December 2023

- Mentored 70+ first-year engineering students in Engineering and Design Thinking (ENED 1100) course
- Delivered instructional guidance for students in Python, MATLAB, Excel, LabVIEW, VBA
- Directed weekly tutoring sessions for 30+ students struggling with Programming Concepts

PROJECTS & HACKATHONS

SASE Hacks **Devpost** | **GitHub**

- Created a journaling app called "Therapia" that allowed users to journal with AI generated prompts and connect with individuals and chat with them
- Implemented a RESTful Flask API with secure endpoints for user registration, login, and authentication
- Integrated WebSocket technology for instant messaging and an improved chat experience, utilizing Flask-SocketIO

Paw2Paw – Website to raise awareness for stray and rescued animals **Live** | **GitHub**

- Created fully responsive website using Flexbox model with HTML, CSS, Javascript, deployed using GitHub Pages
- Implemented dark mode feature using DOM manipulation and a petition feature with HTML form validation
- Added parallax scrolling effect using Javascript animations and fade in transitions for CSS cards in About section

Autonomous Robot Design Project **GitHub**

- Built a robot prototype for a warehouse storage facility to automate inventory management processes
- Programmed robot with color sensors and ultrasonic sensor to scan, reference barcodes on a box, pick and drop a box to a specific location using Python-ev3dev2 module, in a team of 4

SKILLS

Technical Languages: Python, C++, MATLAB, VBA, MySQL, HTML5, CSS, LabVIEW, JavaScript
Technologies: Git, GitHub, Docker, Linux, NumPy, Pandas, Jupyter Notebook, Google Cloud Platform