Shashwat Mishra

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EDUCATION

University of Cincinnati   **CINCINNATI, OH**
Bachelor of Science in Computer Science   Expected Grad. May 2027
GPA : 3.36
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 - Present
- Engineered optimization of data pipelines for 1600+ school clients
- Developed and implemented data processing and integration pipeline, including data aggregation, analysis, and visualization using pandas, seaborn, and Google Cloud Platform (GCP) for automated reporting
- Utilized TF-IDF & K-nearest neighbors on Twilio API data, achieving 90% accuracy in classifying feedback data
- Built custom, interactive dashboards and data visualization tools for business intelligence insights

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