Shashwat Mishra

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EDUCATION:

University of Cincinnati, Cincinnati, OH **Expected Graduation: May 2027**

Bachelor of Science, Computer Science **GPA: 3.37**

- **Awards:** College of Engineering and Applied Science Outreach Scholarship, Dean's List – Spring 2023
- **Relevant Coursework:** Data Structure & Algorithms, Python OOP, Intro Computer Systems

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TECHNICAL SKILLS:

Languages: Python, C++, MATLAB, VBA, MySQL, HTML5, CSS, LabVIEW, JavaScript

Technologies: Git, GitHub, Visual Studio, Docker, Linux, NumPy, Pandas, Jupyter Notebook

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EXPERIENCE:

Possip **January 2023 – Present**

Data Science Intern Cincinnati, OH

- Optimized a data engineering pipeline to efficiently manage data traffic from over 1600 schools
- Conducted data analysis using **Pandas, Seaborn and Jupyter Notebook** and communicated insights to Sales team
- Implemented **TF-IDF** vectorization and the **K-nearest neighbors** (KNN) algorithm to classify survey feedback into five categories with an accuracy of 90%

University of Cincinnati College of Engineering and Applied Science **August 2023 – December 2023**

ENED 1100 Undergraduate Teaching Assistant Cincinnati, OH

- Mentored 70+ first-year engineering students in engineering best practices and offer co-op search advice
- Delivered instructional guidance for 70+ engineering students in **Python, MATLAB, Excel, LabVIEW, VBA**
- Directed weekly tutoring sessions for 30+ students struggling with Algorithmic Thinking Concepts

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PROJECTS:

Paw2Paw – Website to connect stray animals to pet owners – Github Link **September 2023 - Present**

- Created fully responsive website using Flexbox model with HTML, CSS, Javascript, deployed it 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

Therapia - Journaling App with Real-Time Chat feature - SASEhacks 2023 – Github Link **October 2023**

- 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**
- Selected as top 9 team to pitch project at the SASE National Conference in Atlanta to 5+ investors

Autonomous Robot Design Project – Github Link **January 2023 – April 2023**

- 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

LEADERSHIP:

Society of Asian Scientists & Engineers (SASE) **August 2023 – Present**

- Selected as one of ten attendees to attend SASE National Conference in Atlanta from University of Cincinnati
- Member of E-board : Planned and organized socials and professional development events
- Managed the budget for various events, applied and negotiated funding from university's funding board