

KRITHI HARI

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EDUCATION

Drexel University - Philadelphia, PA - BSc in Economics and Public Health

Anticipated Graduation - June 2028

- Grade: Sophomore

RELEVANT COURSEWORKS

- Microeconomics
- Macroeconomics
- Computer Programming I, II
- Applied Business Analysis
- Computing and Informatics Design I, II, III
- Calculus I, II, III

SELECTED EXPERIENCE

Medicine Dispenser Reminder System App - Skillman, NJ - *Health Economics and Product*

Feb 2024 - Present

Marketing Director and UI/UX Director

- Conducted **200+ hours** of research on market data to identify key trends for medication adherence and patient care
- Developed a value realization framework, identifying regulatory gaps in U.S and Indian medical device policies
- Evaluated cost-saving impacts for Medicare, Medi-Cal, and private insurers
- Designed user-centric UI/UX tailored for elderly and physically challenged users, improving accessibility and ease of use
- Developed marketing and pricing strategy

PlantDoc: Harvesting Hope with AI - Philadelphia, PA - *Back-End Engineer*

Jan 2024 - June 2024

- Developed a cost-effective plant disease detection model using **TensorFlow** in Python
- Analyzed the dataset of over **56,000** images across **33** different disease classes, ensuring proper formatting for the model
- Integrated the model into a website, allowing users to upload images for diagnosis
- Refined CNN model and GEMMA AI chatbot accuracy through **100+** tests, managing project timeline via Agile

VIP: Future of Power and Energy - Philadelphia, PA - *Research Project*

Apr 2024 - June 2024

- Implemented Stereo Vision with **OpenCV** for underwater robot object detection of a wireless charger cuboid
- Designed a real-time system to detect depth, contours, and objects by applying the Semi-Global Block Matching algorithm
- Optimized detection accuracy in underwater conditions utilizing Agile methodologies to enhance the system progressively

Drexel CCI Commons - Philadelphia, PA - *Technical Student Assistant*

Sept 2024 - Present

- Provide user assistance and resolve technical issues across Windows, macOS, and Ubuntu platforms
- Monitor live streaming CCI classes, handle troubleshooting and ensure smooth class recordings
- Set up, image, and post-deploy laptops, ensuring that they are ready for use and optimized for their performance
- Deliver audiovisual (AV) support to faculty, ensuring that technical problems are accounted for and properly maintained

The Drexel Triangle - Philadelphia, PA - *Business and IT Team Member*

Apr 2024 - Present

- Edit and publish content for the local newspaper's online platform using React
- Collaborate with local organizations to secure fundraising and partnerships
- Support the IT team in maintaining the website and addressing technical issues

PROJECT

Bio Sortify: AI for greener tomorrow - Philadelphia, PA - *Full Stack Engineer*

- Optimized a pre-trained **VGG16** model using a dataset of **200,000** images, reaching **98.8%** accuracy in classifying waste
- Leveraged FastAPI to test the model's performance with **1000+** test images, achieving an inference speed of **16ms** per image
- Developed a website using HTML, CSS, and JavaScript, integrating **TensorFlow.js** for image analysis and result display
- Built a real-time classification system that processes each video frame under **100ms** and provides instant predictions

LEADERSHIP AND INVOLVEMENT

The Wellness Project - Skillman, NJ - *Outreach Coordinator*

June 2024 - Present

- Build and maintain relationships with healthcare facilities to promote project initiatives
- Lead outreach efforts to expand partnerships and increase project visibility
- Coordinate communication between hospitals and the team to ensure successful collaboration

SKILLS

- **Technologies:** Python, Java, HTML/CSS, JavaScript, SQL, AWS, macOS/Windows/Linux, Tableau, VBA, SAS
- **Frameworks:** TensorFlow, FastAPI
- **Development Methodologies and Tools:** Waterfall, Jira/Agile, Git, MS-Office

HONORS AND AWARDS

- **Dean's List, Drexel University** - Awarded for earning a GPA over 3.60 and carrying over 12 credits
- **A.J Drexel Scholarship** - Awarded based on merit
- **New Jersey State Seal of Biliteracy** - Awarded for proficiency in Spanish
- **AP Scholar Award**