

KENISHA KEVIN D'COSTA

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EDUCATION

Boston University, Metropolitan College

MS, Health Informatics

GPA : 3.78 / 4.00

Boston, MA

Sep 2023 - Aug 2024

Manipal Institute of Technology

B. Tech, Biomedical Engineering

GPA : 3.34 / 4.00

Manipal, India

Jun 2018 - Aug 2022

EXPERIENCE

Research Assistant

Boston University

Nov 2023 – Present

Boston, MA

- Organized feedback questionnaire for 150+ students on Course Evaluation System, devised a new course structure, as per learning needs of students, collaboration with academic administrators and faculty members.
- Contributed to a research grant with Dr. Kanabar on AI revolution in project management, resulting in the development of innovative AI-driven tools and methodologies for a more efficient project workflow.

Design Quality Engineer - I

Medtronic

Mar 2022 - Aug 2023

Hyderabad, India

- Led cross-functional collaboration with three scrum teams, ensuring software quality, regulatory compliance, and supplier assessments for COTS and FOSS components, generating comprehensive reports and key performance indicators.
- Consolidated the Non-Product Software Validation procedure by restructuring communication workflow and documentation, improving process efficiency by 18%.
- Revamped digital health software by conducting thorough pareto analysis, brainstorming sessions and root cause analysis to achieve a remarkable 78% efficiency improvement.

Remote Internship

Deakin University

Feb 2022 - Jun 2022

Australia

- Employed C# programming language and Unity framework to create a virtual simulation enabling precise operation of the UR3e robotic arm.
- Attained specialized knowledge in kinematics and degrees of freedom dynamics during the internship, contributing to the development of the virtual simulation.

PROJECTS

BMI Analyzer

Nov 2023 - Dec 2023

- Developed a Python-based BMI calculator, analyzed data for 25 patients over a span of 6 months. Results were graphically represented for easy interpretation.

EHR Deployment

Oct 2023 - Dec 2023

- Implemented an EHR deployment strategy, optimizing workflows, infrastructure, and ensuring interoperability, leading to a 15% increase in revenue and reduced hospital costs.

EHR Project Management

Sep 2023 - Oct 2023

- Applied scrum agile principles, conducted risk assessments, designed a stakeholder register, and provided accurate cost and effort estimations for deployment of EHR summarizer using Generative AI.

CERTIFICATIONS

Project Management Institute

Jan 2024 – Jan 2027

- Certified Associate in Project Management (CAPM)

SKILLS

Industry knowledge: Medical Device Development and Design, Risk Management, FMEA, SFMEA, Quality and Regulatory Requirements, Electronic Health Records, Cybersecurity, Operations management, Business Analysis, Operations Management Adaptive and Predictive methodology

Tools: MATLAB and Simulink, MS office, Git, Power BI, Kali Linux

Programing language: Python, SQL

LEADERSHIP & ACTIVITIES

Volunteer, Asian Impact at Medtronic

Aug 2023 - Oct 2023

- Managed event with budget of \$6000 for communication management, negotiating with external vendors to get a 7% discount in flyers, led event with 650-person audience.

Class Representative, Biomedical Engineering Batch '22

Dec 2020 - Aug 2022

- Coordinated with college administration as a student representative, addressing complaints of 57 students; organized meetings with course professors during pandemic.