

SAMYUKTHA R

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PROFILE SUMMARY

Biomedical Engineering graduate and current PGDM (Health IT) student with hands-on experience in digital transformation, AI-driven product development, and healthcare system optimization. Skilled in Azure, Power Platform, and Agile methodologies. Currently pursuing Product Management with Agentic AI from IIT Patna and a global internship in AI Powered Project Management from Saint Louis University. Passionate about building patient-centric, tech-enabled healthcare solutions.

EDUCATION

Institute of Health Management Research Bangalore

Bangalore

PGDM Health IT - CGPA : 7.4

Jun 2024 - Present

IIT Patna | Vishlesan iHub & Masai School

Certificate in Product Management with Agentic AI

Jul 2025 - Dec 2025 (Ongoing)

Dhanalakshmi Srinivasan Institute of Technology

Tamil Nadu

BE BioMedical Engineering - CGPA: 8.8

Aug 2020 - Jun 2024

SKILLS

- **Languages:** Python, Html, CSS, SQL, C
- **Frameworks:** Flask, NumPy, Pandas
- **Tools:** Excel, PowerPoint, Power BI, Tableau, Power Apps, Power Automate, Azure DevOps
- **Platforms:** Jupyter Notebooks
- **Soft Skills:** Analytical Reasoning, Technical Documentation, Communication, SOP Creation, User Story Creation, Stakeholder Collaboration, Sprint Planning

PROJECTS

IMPLEMENTATION OF A PATIENT INFORMATION RELEASE MANAGEMENT SYSTEM FOR REQUEST TRACKING AND KPI OPTIMIZATION IN HEALTHCARE FACILITIES

Apr 2025 - Jul 2025

- Spearheaded the digitization of the manual ROI workflow in a hospital setting, enhancing operational transparency, data security, and user accessibility through end-to-end application development. Designed wireframes, ER diagrams, and process flowcharts; implemented cloud-hosted backend using Microsoft Azure, Dataverse.
- Conducted sprint-based development using Agile methodology, enabling stakeholder-driven iterations.
- Tech Stack: Azure, Dataverse, Power Apps, Agile, ER Diagram, Wireframing, RBAC

STROKE RECOVERY ASSISTIVE GLOVE FOR HAND RESTORATION

Apr 2024 - May 2024

- Rehabilitation device designed to aid stroke survivors in regaining motor function and dexterity in their hands. By integrating cutting-edge technology with ergonomic design, the glove provides a cost-effective and user-friendly solution for enhancing recovery outcomes.
- Tech Stack: Aurdino IDE, OOPs,C

ADVANCED CRIME CLASSIFICATION USING DEEP LEARNING (IBM)

Nov 2023 - Jan 2024

- To develop and implement a system that can accurately and efficiently classify crimes based on their characteristics using deep learning algorithms.
- Tech Stack: Keras, Numpy, Tensorflow

PROSTHETIC HAND FOR DISABLED PERSON

Mar 2023 - May 2023

- implementation of a prosthetic hand specifically tailored for disabled persons by integrating a Human-Computer Interface (HCI) and Electromyography (EMG) signal acquisition. Developed using for people suffering from Elbow disabilities and Arm disabilities resulting from injuries, neurological disorder and many other factors.
- Tech Stack: Aurdino IDE, OOPs,C

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INTERNSHIPS

SAINT LOUIS UNIVERSITY - VIRTUAL GLOBAL INTERNSHIP

Jul 2025 - Present

Associate Project Manager Intern

- Currently exploring AI-driven tools to optimize workflows, resource allocation, and risk management in project environments.
- Researching real-world AI applications and developing stakeholder-focused strategies for data-driven project execution.
- Preparing a final report and presentation for a Global Career Fair Event; part of a competitive 4-week program with \$1,000 scholarship eligibility.

IMED SOLUTIONS, A BURJEEL HOLDINGS COMPANY, KOCHI

Apr 2025 - Jul 2025

BUSINESS ANALYST INTERN

- Gathered and analysed functional requirements for digitizing the Release of Information (ROI) process, collaborating with MRD, GSE, and technical teams to streamline document flow and user access using Agile Methodology
- Created user stories, wireframes, ER diagrams, and data models; led sprint planning and backlog grooming using Agile methodology and Azure DevOps.
- Supported application deployment on Azure platform, implementing RBAC, CI/CD pipelines, and workflow automation aligned with healthcare data compliance (HIPAA, audit logs).

KAUVERY HOSPITAL, TRICHY

Jun 2022 - Jul 2022

SERVICE ENGINEER INTERN

- Learnt how to calibrate various devices in all major departments like ICU, OT, ER
- Learnt to install new equipments.

CERTIFICATES

- Data Engineering: SQL, Python & Spark | Udemy | Jul 2025
- Data Analytics Boot Camp | Udemy | Dec 2024
- Excel for Intermediate | Great Learning | Dec 2024
- Paper Publication – Stroke Recovery Assistive Glove | IJRAR Volume 11 | Jun 2024
- Programming in Advanced C | T4TEQ | Feb 2023
- Machine Learning Workshop | MIT | Jul 2023
- AI and its Applications Workshop | IEEE BVM SB | Aug 2021
- Paper Publication – IOT based Surgery | IJCI volume 9 | Jun 2021
- Introduction to Cloud | IBM | Jul 2023