

KRISHNA PRAHARSHITHA DEVI K

Healthcare IT | Clinical Applications (EHR/HIS) | Healthcare Data Analytics

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PROFESSIONAL SUMMARY

Healthcare IT and analytics graduate with clinical training in cardiac surgery and hands-on Hospital Information System (HIS) product experience. Spent over a year as a perfusion trainee in the cardiac operating theatres of KIMS Sunshine and KIMS Hospitals, then customized HIS screens to client requirements as a Product Intern at KareXpert Technologies. Currently in the PGDM program in AI and Data Science in Healthcare at IIHMR Bangalore, with working skills in SQL, Python, Power BI and Tableau for clinical reporting. Open to Oracle Health (Cerner Millennium) functional roles in SurgiNet, Nursing, Orders or Provider/Ambulatory, where operating theatre and clinical documentation experience carries over directly.

SKILLS

Healthcare IT: Hospital Information System (HIS), EHR/EMR workflows, client requirement analysis, HIS UI customization and configuration, HIS, LIS and EMR integration design, role-based workflows, software update delivery

Clinical Domain: Cardiac surgery, cardiopulmonary bypass, perioperative (OT) workflows, clinical documentation, blood bank and transfusion workflows, medical terminology

Data and Reporting: SQL, PostgreSQL, Python, R, Excel, Power BI, Tableau, time series forecasting, survival analysis (Kaplan-Meier, Cox regression), machine learning

Tools: Figma, UX research, HTML, CSS, JavaScript, Streamlit, GitHub, Jupyter Notebook, MongoDB, Docker

PROFESSIONAL EXPERIENCE

Product Intern | KareXpert Technologies Pvt. Ltd. May 2026 - Jul 2026

- Customized Hospital Information System (HIS) user interface screens to fit client-specific hospital requirements.
- Supported the product team's development workflow for delivering HIS software updates to client hospitals.

Perfusion Trainee (Cardiac Surgery) | KIMS Sunshine Hospitals Apr 2024 - Apr 2025

- Assisted perfusionists with cardiopulmonary bypass during cardiac surgeries as part of the operating theatre team.
- Maintained patient perfusion records and supported documentation and workflow improvements in the cardiac OT.

Perfusion Trainee (Cardiac Surgery) | KIMS Hospitals Oct 2023 - Dec 2023

- Assisted perfusion specialists during cardiac surgeries in the operating theatre.

PROJECTS

Forecastability of India's IDSP Surveillance Data (2009-2026) | *Telemedicon 2026 abstract, with Renuka Prasanthi Dandi*

- Compared Prophet, SARIMA and linear models on 44,952 IDSP outbreak records for the ten highest-burden diseases; median forecast error rose from 77% WAPE nationally to 105% at district level.
- Found that a linear trend matched or beat both seasonal models at every level, and recommended reporting data readiness alongside model accuracy before district-level tools are deployed.
- Built a React and D3 dashboard of 16 diseases: github.com/praharshitha-ai/idsp-disease-surveillance

BloodFlow AI: Blood Operations and Transfusion Intelligence Platform

- Designed an AI-assisted blood management platform that connects HIS, LIS, EMR and blood bank systems to track inventory, blood requests and transfusions.
- Defined FIFO inventory prioritization, urgency-tiered blood requests, surgical demand forecasting and an alert engine for stock, transport and clinical safety.

WholePerf: Cardiac Perfusion Workflow Platform

- Designed a perfusion department workflow platform with inventory tracking, patient logs and role-based user workflows.

Other projects: Echo Lens (AI-assisted echocardiogram reporting workflow); survival analysis of chlorhexidine (Kaplan-Meier and Cox regression in Python); heart attack risk dashboard for patient risk visualization (Tableau).

EDUCATION

PGDM, Artificial Intelligence and Data Science in Healthcare | IIHMR Bangalore Expected 2027

Bachelor of Perfusion Technology (BPT) | Dr. NTR University of Health Sciences 2021 - 2025

CERTIFICATIONS

Machine Learning using Python | AI Product Manager | Power BI Data Modelling | Deloitte Data Analytics Job Simulation | Deloitte Technology Job Simulation | NPTEL: AI for Management | IBM UX/UI Designer