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Education and Training

2021-2023: M.A.S L.H.C.O, University of California San Diego, San Diego, CA, **GPA 3.9/4**
2013-2018: B.D.S, Maharashtra University of Health Sciences, Mumbai, India, **First Division**

Employment and Professional Affiliations

2024: Co-Author Research Staff, San Diego State University Research Foundation
2023-2024: Clinical Business Intelligence Specialist 3, University of California San Diego Health
2022-2023: Graduate Medical Research Assistant, University of California San Diego
2022: Business Development Specialist, Student Medicover
2021: Process Improvement Specialist, San Diego Family Care Hospital (FQHC)
2021: Resident Medical Officer, CritiCare Hospital and Research Institute
2019-2021: Associate Dentist, SmileStone Dental Care
2018-2019: Medical Resident, YMT Dental College and Research Institute

Honors and Awards

2024: Best Project in Lean Six Sigma Green Belt in healthcare, Quality and Patient Safety,
University of California San Diego Health - Recognized by the Director of Quality and Patient Safety
for one of four projects. Received a prize hamper.
2022: Administrative Fellowship nomination, Medical University of South Carolina- Selected amongst 15 out of
over 100 applicants were invited to three-day exclusive events with the executives at MUSC
2021: COVID Warrior Award, CritiCare Hospital and Research Institute- Awarded 1 out of 18 Medical officers
for Infection Prevention project. Received award and prize money

Publications

Ongoing Research

2024: : Impact of Social Support on the Type of Dental treatment obtained during the COVID-19 Pandemic
Mexican American Young Adults, San Diego State University Research Foundation

Capstone

2023: Electronic Dental Record: Determining its Value in Providing Quality Dental Treatment, UC San Diego
School of Public Health

Published

- 2022: Avhad SK, Sachdev SS, [Jaiswal PA](#), Jadhav P, Watharkar RB, Save SS. *Survey on knowledge, attitude, and practice of Indian oral health-care professionals regarding QR codes in dental practice and academics*. J Global Oral Health 2022;5:3-8 [OA DOI](#)
- 2021: Mahapatra A, [Jaiswal P](#), Pandya MK, Salim B, Rawat M, K Anju M. *Assessment of procalcitonin level in saliva and serum of chronic periodontitis patients following nonsurgical periodontal therapy- A clinical study*. J Adv Med Dent Scie Res 2021;9(7):61-64 [OA DOI](#).
- 2021: Hiregoudar M, Chakinala VP, Nair VVR, [Jaiswal P](#), Gopal R, Raj S. *Pit and Fissure Sealants: A Clinical Review*. J Adv Med Dent Scie Res 2021;9(6):119-123 [OA DOI](#).
- 2021: [Jaiswal P](#), Sachdev SS, Kalra D, Chettiankandy TJ, *Assessment of the use of low-calorie sweeteners amongst Indian population and their awareness about their adverse effects*. J Nutr Metab Health Sci 2021;4(1):13-18 [OA DOI](#)

Projects

- 2024: Impact of Social Support on the Type of Dental treatment obtained during the COVID-19 Pandemic: Research Contributions to the [Boca Sana, Cuerpo Sano/Healthy Mouth, Healthy Body](#), Institute for Behavioral and Community Health, San Diego State University Research Foundation
- 2024: **Tableau Dashboards for Monitoring Sepsis Indicators: Enhancing Quality and Patient Safety at UC San Diego Health** - Created Tableau Dashboard for clinicians at the Department of Emergency Medicine and Clinical Quality Improvement to monitor sepsis indicators of hospitalized patients in real-time, which is crucial in clinical decision-making. Data availability has jumped from 10% to 100%, drastically reducing wait times. This led to significantly reduced mortality, hospital length of stay, and re-admissions.
- 2024: **Secure Databases for Sepsis Data Analytics and Integration of Indicators Across Multiple Data Sources, UC San Diego Health** - Changed the data source for Code Sepsis cases from Medisolv to Epic Clarity, improving analysis precision by 70% to 90%, resulting in more reliable outcomes. Enhanced data security from 50% to 100% by moving from Excel to Microsoft Access.
- 2024: **Data Architecture in Tableau for Analyzing Race, Ethnicity, and Language (REAL) and Sexual Orientation and Gender Identity (SOGI) Metrics to Mitigate Health Disparities, UC San Diego** - Created ReAL SOGI filters across 56 Dashboards in the Quality and Patient Safety Department to address disparities and room for improvement projects.
- 2023: **Predictive Analytics on Patient Outcomes with Sepsis: Mortality, Length of Stay, and Readmission Analysis using Vizient Data, UC San Diego Health** - Developed predictive analytics for indicators trajectory using Artificial Intelligence in Tableau Dashboard to improve patient outcomes initiatives.
- 2023: **Strategic Target Setting and Monthly Evaluation of UC San Diego Health's Safety Score, Integrating AHRQ Indicators, Hospital-Acquired Infections, and Injury Metrics** -
- 2023: Quality Oncology Practice Initiative (QOPI) for AJCC (American Joint Committee on Cancer) Staging guidelines through Cancer Staging Compliance Report and Advance Care Planning reports.
- 2023: Process Optimization in Asylum Seeker Medical Screening: Enhancing Patient Outcomes and Operational Efficiency at UC San Diego School of Public Health
- 2022: Data-Driven Policy Reforms in Asylum Seeker Care: Research Contributions to the [Tracing Asylum Seekers' Experiences and Trajectories Project](#), Center for Global Mental Health, UC San Diego
- 2022: Achieving Equity in Healthcare Access: Enhancing Student Graduation Rates through Affordable Health Insurance Solutions, Student Medicover
- 2021: Data-Driven Process Improvement and HEDIS Optimization: Enhancing Patient Care at FQHC, San Diego Health Center
- 2021: Infection Prevention and Data Accuracy Enhancement: Optimizing Chronic Disease Management during COVID-19, CritiCare Hospital and Research Institute

Professional Societies

American College of Healthcare Executives
Co-Organizer, Event Planning Committee, San Diego Organization of Healthcare Leaders
Advisory Panel, International Student Advisory Counsel, University of California San Diego
Academic and Professional Development, Student Council, University of California San Diego
Volunteer, Asylum Seekers Unit, University of California School of Public Health
Volunteer, Smoking Cessation Office, YMT Dental College and Research Institute
Volunteer, Hausla Foundation
Volunteer, Public Health Dentist, Baba Jeewan Singh Ji Memorial Medical Center
Cadet, National Cadet Corps of India

Certifications

2024: Generative Artificial Intelligence Fundamentals, University of Cumberlands
2024: Lean Healthcare Green Belt, UC San Diego Health
2023: Lean Healthcare Yellow Belt, UC San Diego Health
2023: Lean Healthcare White Belt, UC San Diego Health
2022: Data Processing and Visualization, UC San Diego
2022: Clinical Research Co-ordinator (CRC), CITI Program
2023: HIPAA Research Privacy, CITI Program
2022: Public Health Research, CITI Program
2022: Responsible Conduct for Research Administrators, CITI Program
2023: Health Disparities: Promoting Equity, CITI Program
2021: Healthcare Organization Operations, Rutgers University School of Planning and Policy
2021: Infection Prevention and Control (IPC) for COVID-19 Virus, World Health Organization
2020: COVID-19: Operational Planning Guidelines and COVID-19 Partners Platform
to support country preparedness and response, World Health Organization
2020: The Oral Cavity: Portal to Health Diseases, University of Pennsylvania
2019: Total Health Dentistry for Successful Restorative Private Practice, The Dawson Academy

Presentations

2024: *Revolutionizing Sepsis Care: A Data-driven Approach for Enhanced Patient Outcomes*,
Abstract submission for poster presentation, Vizient Connections Summit 2024
2024: *Enhancing Health Equity: Implementation of REAL/SOGI Filters in Tableau Dashboards*,
Quality and Patient Safety Department, UC San Diego Health
2023: *Streamlining Sepsis data analysis and process improvement initiatives*,
Sepsis Committee UC San Diego Health
2022: *Vaccination Mandate Debate Team*, University of California San Diego School of Public Health
2021: *Organizational Overview and Governance: Poster presentation*, Policy Department,
Criticare Hospital and Research Institute
2015: *Indian population and their awareness about low-calorie sweeteners adverse effects*,
Scientific paper presentation, 2nd International Dental Student's Conclave, DY Patil University
2014: *Access to Dental Clinics and Use of Dental services in India*, Poster presentation
53rd State Dental Conference by Indian Dental Association

Research Analytics Skills

Programming Language

Tableau - Proficient
SPSS - Proficient
Python - Intermediate
SQL - Intermediate
R - Intermediate

Database

Vizient - Proficient
RLDatix - Proficient
Epic/EHR Data - Proficient
Microsoft Access/Excel/CSV - Proficient
Statistical and Predictive Analytics - Proficient

Statistical analysis

Data Cleaning and Preparation - Proficient
Descriptive Statistics - Proficient
Inferential Statistics - Proficient
Regression and Correlation Analysis - Proficient
Multivariate Analysis - Proficient
Hypothesis Testing and Confidence Intervals - Proficient

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