

Curriculum Vitae

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Medical Education

Smt. N.H.L. Municipal Medical College, India

03/2012 - 03/2017

M.B.,B.S., 06/2018**Education****Other** - Research Update Organization, Houston, TX, United States of America

Clinical Research Training Program;

03/2025 - 12/2025

A.H.; 12/2025

Postgraduate Training

None

Honors & Awards

- No Alpha Omega Alpha (AOA) chapter at my school
- No Gold Humanism Honor Society (GHHS) chapter at my school
- COVID-19 Warrior – Certificate of Appreciation, Gandhinagar Municipal Corporation, India.
 Community/Service Recognition - Awarded by Gandhinagar Municipal Corporation for Community Service & COVID Awareness in pandemic.
 Received: Jul, 2022
- Certificate of Appreciation for case report presentation at AAPI National Convention by MSRF, USA.
 Research - "Presented the case report, "Granulomatosis with Polyangiitis as Diffuse Alveolar Hemorrhage."
 Received: Jul, 2025
- Food Safety Oversight – VVIP Flight Catering (Prime Minister of India) - Anjali Hotels Pvt. Ltd.
 Honor Society - Served as medical officer for VVIP flight catering; ensured hygiene with Air India and safety teams.
 Received: Jan, 2023
- IUCD & PPIUCD Training of Trainers Participant - State Institute of Health & Family Welfare, India.
 Community/Service Recognition - Awarded for IUCD/PPIUCD ToT by SIHFW Gujarat; trained in women's

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health, safety and counseling.

Received: Nov, 2022

- Injectable Contraceptive Training Certification – Divisional Training Center, Ahmedabad, India.
Community/Service Recognition - Awarded by DTC Bavla for community outreach in reproductive health via injectable contraception.
Received: May, 2022
- NTPE (National Tuberculosis Program Education) Training, Gandhinagar Municipal Corporation, India.
Other honor or award classification - Trained in disease control, municipal health programs, and field-level healthcare delivery.
Received: Mar, 2023
- School Health Program, State ToT – State Institute of Health & Family Welfare, Gujarat, India.
Community/Service Recognition - Trained as Deputy Health Officer with focus on policy development and public health strategy.
Received: Sep, 2022

Professional Memberships

- American Academy of Family Physicians (AAFP)
- American College of Physicians (ACP)
- American Medical Association (AMA)
- Association of American Physicians of Indian Origin (AAPI)
- Member of Gujarat Medical Council (GMC) #G-62728
- Member of Indian Medical Association (IMA)
- Michigan Academy of Family Physicians (MAFP)
- Society of Hospital Medicine (SHM)

Hobbies & Interests

Captain and best bowler of Royal Stud Cricket team, represented hometown regionally with the Sports Authority of India (SAI), and competitive badminton player; developed leadership and teamwork.

Exploring the world through maps and photography, capturing cultures, global health, and human stories.

Certifications

Other Certifications:

Advanced Cardiac Life Support (ACLS): Sep, 2025 - Sep, 2027

Basic Life Support (BLS): Sep, 2025 - Sep, 2027

Fundamentals of Clinical and Translational Science (FunCATS)-Mayo Clinic Center for Clinical Science: May, 2025

HCUP Data Use Agreement Training-Agency for Healthcare Research and Quality (AHRQ): May, 2025

Introduction to Certified Professional Biller-Coursera, American Professional Practice Credentialing: Sep, 2025

Introduction to the Principles and Practice of Clinical Research-National Institutes of Health (NIH): Jun, 2025

Machine Learning for Healthcare Professionals-Northeastern University (via Coursera): Aug, 2025

Point-of-Care Ultrasound Fundamentals Certificate-POCUS Certification Academy™: Aug, 2025

The Social and Technical Context of Health Informatics-Johns Hopkins University (via Coursera): Aug, 2025

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Experiences**Clinical Extern**

New York Medical College/St. Clare Program (Inpatient)
Education/training

07/2025 - 08/2025
Denville, NJ

- Completed an 8-week inpatient externship under Pramil Cheriya, MD (PD), and his team.
- Attended I-PASS sign-outs, reviewed overnight changes with nursing staff, and performed chart reviews, histories, and physical exams for 2–3 patients daily.
- Presented cases to residents and attendings, discussing A/P with patients and families via phone.
- Participated in discharge planning and coordinated patient care.
- Gained academic insights by presenting complex cases during morning rounds and noon conferences.
- Enhanced clinical skills in ECG interpretation, lab/ABG analysis, and imaging review, and observed procedures, including central line placement, thoracentesis, and paracentesis.
- Co-authored a Takotsubo cardiomyopathy case report.

Most Meaningful:

I learned about lifelong dedication to a vocation and personal responsibility. This experience enabled me to enhance patient care and identify opportunities for improvement and innovation. I developed strong communication and problem-solving skills, making me adaptable and versatile in healthcare.

Remote Research Assistant

Sutter Health/Sutter Roseville Medical Center Program
Research

03/2025 - Present
Roseville, CA

- Currently participating in clinical research training under Prasad Jogu, MD, covering observational studies, QI, literature review, and meta-analyses.
- Gained proficiency in SPSS, RevMan, and Mendeley for research projects.
- Worked remotely as a research assistant in physician-led teams, conducting literature reviews, data collection, analysis, and manuscript writing.
- Assisted in drafting protocols, methods, results, and discussion sections; interpreted study outcomes.
- Contributed to projects presented at ACC and AMA conferences.
- Submitted articles on POCUS Sensitivity/Specificity (Meta-Analysis), Semaglutide Optic Neuropathy (Case Report), Medication Non-Adherence (Systematic Review) and COVID vs. Flu (Cross-Sectional Study).

Most Meaningful:

I've honed pivotal research skills in deep understanding of clinical & public health research. This expertise has not only enhanced my clinical decision-making but also ensured I provide evidence-based patient care. Through continuous learning, I bridge the gap between research & clinical practice.

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Clinical Extern

Zucker School of Medicine at Hofstra/Northwell LIJ Program (Inpatient)

08/2024 - 09/2024

Education/training

Long Island, NY

- Completed a 4-week inpatient interventional cardiology rotation under Avneet Singh, MD.
- Managed 2–3 patients daily, participating in rounds, presenting cases, and performing examinations.
- Attended daily imaging rounds to review ECGs, echos, and stress tests.
- Observed 8-9 coronary angiographies weekly and discussed assessment and management plans for STEMI/NSTEMI and HF with a fellow and attending.
- Observed pericardiocentesis and TEE and participated in ED admissions to enhance clinical skills.
- Gained knowledge in cardiovascular physiology, arrhythmias, and pre-/post-PCI anticoagulation management.
- Actively participated in weekly case discussions and journal clubs, staying updated on the latest advancements in cardiology.

Most Meaningful:

As my first US-based interventional cardiology rotation, I learned to adapt my communication and care approach in a new clinical setting. It deepened my understanding of patient factors, enhanced cultural awareness, and provided a foundation in how the US healthcare system functions.

Clinical Extern

Ascension Macomb-Oakland Hospital Affiliated Ambulatory Setting

01/2025 - 02/2025

Education/training

Dearborn, MI

- Completed a 4-week inpatient externship under Abdulhassan Saad, MD.
- Performed a thorough review of the charts and documented patient information in the Practice Fusion EMR system.
- Participated in didactic sessions, including afternoon case discussion, MKSAP discussion, and Morbidity and Mortality conference.
- In the outpatient setting, provided ongoing care for chronic conditions, addressed acute issues, delivered preventive and health maintenance, promoted lifelong continuity of care & gained experience with clinical billing and documentation.
- Familiarized with the US healthcare and insurance system.
- Counseled patients independently and provided in-depth explanations regarding the role of the Drug Rehabilitation Center.

Clinical Extern

Case Western Reserve University Hospital (Inpatient)

11/2024 - 12/2024

Education/training

Cleveland, OH

- Completed a 4-week rotation under Trevor Jenkins, MD, in inpatient cardiology.
- Managed 2–3 patients daily using EPIC EMR for chart review, HPI, problem list updates, medication reconciliation, assessment and plan, referrals, and I-PASS signouts.
- Conducted patient and family counseling on medications, lifestyle modifications, and disease management.
- Coordinated care with the multidisciplinary team to ensure safe, evidence-based treatment and effective discharge planning.
- Gained proficiency in telemetry monitoring, Holter monitoring, cardiac MRI, and nuclear stress testing.
- Presented on topics like HF, arrhythmias, and pericarditis.
- Once a week noon meeting presentations on how to reduce the hospital readmission rate due to CVD.

Clinical Extern

NYC Health + Hospitals/Henry J. Carter Specialty Hospital (Inpatient)

09/2024 - 10/2024

Education/training

Brooklyn, NY

- Completed a 4-week externship under Joseph Mazza, MD, in long-term acute care.
- Reviewed charts, managed 2–3 patients, assisted with procedures, and participated in interdisciplinary rounds and

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conferences.

- Interpreted ABGs, imaging, spirometry, sleep studies, and CPAP data to guide management and refine ventilator strategies.
- Integrated labs and imaging into evidence-based care.
- Strengthened communication with families and the care team while enhancing clinical reasoning for acute interventions.
- Presented acid-base disorders at noon conference, focusing on diagnosis and management.
- Co-authored a U.S. cross-sectional study analyzing outcomes and healthcare burden disparities in hospital admissions for COVID-19 vs. influenza.

Community Volunteer

NYReach Community Health Program and Essen Health Care
Volunteer/service/advocacy

06/2024 - 07/2024
Bronx, NY

- Participated in community diabetic eye screening and mammography screening events organized by Essen Health Care.
- Packed and shipped FIT-FOBT kits to patients for colon cancer screening.
- Participated in the Pride event on June 22, 2024, where we distributed pens, flyers, and sanitizers, and assisted with essential services like water stations and food pantries.
- Analyzed medical charts to assess the need for recent screenings and performed medication reviews and reconciliation for transitions of care.
- Attended house calls with a physician and nurse assistant.
- Distributed food packets, fresh vegetables, and sanitizers to the local community.
- Contacted pharmacies and patients to ensure accurate medication reconciliation.

Clinical Extern

Robert Wood Johnson University Hospital Affiliated Ambulatory Setting
Education/training

11/2023 - 03/2024
Hillsborough, NJ

- Worked as a clinical extern at the outpatient clinic with Rajendra Kumar Patel, MD.
- Managed outpatient care using eClinicalWorks EMR, including chart updates, medication reconciliation, and follow-up documentation, and referral coordination.
- Trained colleagues on EMR workflow and referral systems to enhance clinic efficiency.
- Learned the importance of ongoing follow-up and holistic support, addressing patient and family needs to ensure continuity of care.
- Ensured patients remained up-to-date with preventive care, including annual visits, vaccinations, screenings, and specialty referrals.
- Conducted weekly educational talks highlighting strategies in chronic disease management, remote patient monitoring, and long-term care.

Clinical Extern

Mount Sinai Hospital Affiliated Ambulatory Setting
Education/training

06/2023 - 08/2023
Brooklyn, NY

- Worked as a clinical extern with Ezra Israel, MD.
- Performed H&Ps, documented findings in EMR, and reviewed management plans with attendings.
- Presented clinical cases to peers and attendings, enhancing medical knowledge and team learning.
- Assisted in diagnostic evaluations, including identification of Arnold–Chiari I malformation via MRI.
- Collected 10–15 nasopharyngeal or oropharyngeal swabs per day for suspected COVID-19 cases.
- Provided patient-centered counseling to improve chronic disease management and adherence.
- Learned the value of team-based learning and collaborative care to enhance patient outcomes.
- Participated in quality improvement initiatives, such as improving patient flow and reducing wait times in the clinic.

Physician Assistant

G.M.E.R.S. Medical College and Hospital, Gandhinagar, India
Work

07/2018 - 03/2023
Gandhinagar, India

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Physician Assistant

- Worked as a physician assistant in an academic hospital, managing 10–15 general ward patients daily.
- Managed ICU and general ward patients, performing rounds, assessing progress, providing counseling, and ordering treatments with multidisciplinary teams.
- Responded to emergencies such as MI, COPD exacerbation, and stroke.
- Managed acute conditions including ACS, DKA, heart failure, and mucormycosis.
- Assisted in Code Blue and Code FAST responses, coordinating thrombolysis and advanced care.
- Collected ABG samples and assessed the need for artificial life support.
- Taught medical students clerkship skills, including ECGs, ABGs, and suture technique.
- Served 8 months in a COVID-19 ward, supporting patient care and sample collection.

Publications**Peer Reviewed Journal Articles/Abstracts**

Desai HD, Gajjar J, Chirumamilla A, Raj D, Mallyala S, Enamorado FR, Patel S, Reddy SJ. Global mortality of ischemic stroke and its attributable risk factors in 204 countries and territories from 1990–2019: a benchmarking analysis from the Global Burden of Disease Study. *International Journal of Stroke*. October 2023; 18(Suppl 3):3–420.

Publication Status: *Published*.

Article URL: <https://doi.org/10.1177/17474930231192010>

Mallyala S, Chirumamilla A, Raj D, Gajjar J, Patel S, Dekhne A, Desai HD. Burden of Mortality and Antimicrobial Resistance of Bacterial Pathogens Associated with Lower Respiratory Tract and Other Thorax Infection in United States in 2019: A Systematic Analysis. *Open forum infectious diseases*.. November 2023; 10(Suppl 2):2588.

Publication Status: *Published*.

Article URL: <https://doi.org/10.1093/ofid/ofad500.2203>

Raj D, Mallyala S, Chirumamilla A, Gajjar J, Patel S, Desai HD. Burden of Lower Respiratory Tract Infection in United States of America and its Trend from 1990-2019: A Benchmarking Analysis from the Global Burden of Disease Study. *Open forum infectious diseases*.. November 2023; 10(Suppl 2):2595.

Publication Status: *Published*.

Article URL: <https://doi.org/10.1093/ofid/ofad500.2210>

Shah MP, Attar B, Patel S, Gajjar J, Mallyala S, Chirumamilla A, Raj D, Desai HD. The Statewide Burden of Pancreatitis in the United States Between 1990-2019: Results from the Global Burden of Disease Study 2019. *The American Journal of Gastroenterology*.. October 2023; 118(Suppl 10):S82-S83.

Publication Status: *Published*.

Article URL: https://journals.lww.com/ajg/fulltext/2023/10001/s99_the_statewide_burden_of_pancreatitis_in_the.99.aspx

Peer Reviewed Journal Articles/Abstracts (Other than Published)

Bhuvan F, Geddada S, Yedida N, Gadhiya D, Dhruv S, Sharma A, Kochhar G, Gajjar J, Desai HD. National trends and demographic disparities in mortality due to bleeding disorders in the U.S., 1999–2020. *ASH Annual Meeting Abstracts, 2025*. July 2025.

Publication Status: *Under Review*.

Chelikam N, Pandya K, Gajjar J, Patel P, Patel J, Lohia R, Sampathkumar N, Mandalika S, Budhi S, Patel M, Jogu P, Patel U, Kaur K. Umbrella Meta-Analysis on sensitivity and specificity of Point-of Care-Ultrasound (POCUS) in diagnosing various medical conditions. *Journal of Evidence-Based Medicine*. October 2025.

Publication Status: *Submitted*.

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Desai HD, Gajjar JK, Bashir HA, Nimmagadda SP. Young and at risk: stroke burden in individuals under 20 in Southeast Asia, East Asia, and Oceania (1990–2021). *World Stroke Congress 2025*. May 2025.

Publication Status: *Accepted/In-Press*.

Gajjar J, Pandya K, Lohia R, Patel P, Mandalika S, Patel M, Sampathkumar N, Kaur K, Budhi S, Jogu P. Analyzing Current Policies, Identifying Limitations, and Evidence-Based Proposals for Medication Non-Adherence Reforms: A Systematic Review. *Cureus Journal of Medical Science Sep 2025*. September 2025.

Publication Status: *Under Review*.

Jogu P, Patel P, Patel M, Sampathkumar N, Patel J, Lohia R, Gajjar J, Pandya K, Mandalika S, Budhi S, Kaur K. Semaglutide-Associated Nonarteritic Anterior Ischemic Optic Neuropathy in a Young Adult Without Vascular Risk Factors: A Rare Case Report and Review of Emerging Evidences of Adverse Reactions. *Journal of Family Medicine and Primary Care*. August 2025.

Publication Status: *Submitted*.

Lohia R, Budhi S, Mandalika S, Sampathkumar N, Patel J, Gajjar J, Patel P, Jogu P, Pandya K, Patel M, Patel U, Kaur K. Outcomes and Burden Disparities Among COVID vs. Influenza Related Hospital Admissions: A Cross-Sectional Study of the USA Population. *L e Infezioni in Medicina*. September 2025.

Publication Status: *Submitted*.

Luo L, Thaker P, Gajjar J, Jani R, Nookala V. Clinical Insight into Takotsubo Cardiomyopathy: A Case Report and Comprehensive Review. *SN Comprehensive Clinical Medicine*. September 2025.

Publication Status: *Submitted*.

Patel J, Kochhar G, Sudan S, Parisapogu A, Varagantiwar V, Sanapala D, Sami SA, Gajjar J, Rayudu US, Patel J, Patel R, Desai HD. Trends and disparities in maternal hypertensive disorders among high-income nations from 1990–2021: A benchmarking global analysis. *American Heart Association Scientific Sessions 2025*. June 2025.

Publication Status: *Accepted/In-Press*.

Poster Presentation

Kaur K, Pandya K, Patel J, Sampathkumar N, Lohia R, Gajjar J, Patel P, Mandalika S, Patel M, Jogu P, Patel U, Budhi S. Society of Hospital Medicine Converge. Poster presented: *Diagnostic Accuracy of Point-of-Care Ultrasound (POCUS) in Cardio- and Peripheral Vascular Disorders: An Umbrella Meta-Analysis*. Nashville, TN, United States of America; 03/30/2026.

Pandya K, Patel M, Gajjar J, Sampathkumar N, Patel J, Lohia R, Mandalika S, Kaur K, Jogu P, Patel P, Budhi S. American Medical Association Research Challenge (Virtual). Poster presented: *Factors associated with medical non-adherence - a systematic review*. Chicago, IL, United States of America; 10/22/2025.

Patel M, Patel P, Patel J, Sampathkumar N, Lohia R, Gajjar J, Mandalika S, Kaur K, Jogu P, Pandya K, Budhi S. American College of Cardiology Annual Scientific Session. Poster presented: *Vision at Risk: A Case of NAION in a Young Patient on Semaglutide and the Implications of GLP-1 Receptor Agonist Use*. Louisiana, LA, United States of America; 03/28/2026.

Patel P, Gajjar J, Mandalika S, Patel U, Kaur K, Jogu P, Pandya K, Patel M, Lohia R, Patel J, Sampathkumar N, Budhi S. American College of Cardiology Annual Scientific Session. Poster presented: *Cardiopulmonary Complications and Outcome Comparison Between COVID-19 and Influenza - A Nationwide Analysis*. New Orleans, LA, United States of America; 03/28/2026.

Sampathkumar N, Patel J, Lohia R, Gajjar J, Mandalika S, Pandya K, Patel S, Patel P, Budhi S, Kaur K, Jogu P, Patel M. American Medical Association Research Challenge (Virtual). Poster presented: *Nationwide Trends in the Utilization of Therapeutic Hypothermia After Acute Myocardial Infarction in the United States*. Chicago, IL, United States of America; 10/22/2025.

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Proficient Languages

- English
- Gujarati
- Hindi