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# TANMAY ACHARIA

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Kolkata, India 700107 ♦ +91-9831671725 ♦ tacharia@gmail.com ♦ WWW: [Bold Profile](#)

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## PROFESSIONAL SUMMARY

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Highly skilled physician associate specializing in adult and pediatric cardiac surgery and transplantation procedures. Collaborates effectively with surgeons and team members to provide exceptional patient care. Proficient in managing complex cases, working with interdisciplinary teams, and utilizing advanced surgical techniques. Committed to ongoing education, training, and mentoring for junior colleagues. Known for fostering strong relationships with colleagues and possessing excellent communication skills. Specializes in cardiothoracic and vascular surgery with a keen interest in research, education, training, and leveraging AI to enhance patient outcomes and predict diseases.

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## SKILLS

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- Experienced Surgical Assistant
- Collaborative Leadership
- Learning Resource Creation
- Cardiothoracic Surgery Expertise
- Scholarly Research Contributions
- Staff Development Training

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## WORK HISTORY

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**Senior Physician Assistant (CTVS) and Team Leader**, 09/2013 - Current

**Fortis Hospital** – Kolkata, India

- Accomplish daily rounds and assess patients in the surgical ICU
- First assist in operating rooms for all cardio-thoracic and vascular surgeries, including pediatric cardiac surgeries
- Practice and utilize practical surgical skills, such as harvesting of conduits (Skeletonised LIMA – RIMA, Radial artery, Saphenous Vein)
- Re-do sternotomy
- Harvesting conduits for MIDCAB's
- Donor organ retrieval for Heart Transplant surgery
- Manage patients in pre-op and post-op in patient's settings
- Served in a cardio-thoracic surgery team comprising five cardiothoracic surgeons and one physician assistant with 24/7 coverage
- Played a pivotal part in the overall care of patients while producing positive outcomes
- Educated patients on health maintenance and disease prevention, empowering them to make informed decisions about their wellbeing.

- Led staff trainings on emerging medical topics or advancements, ensuring the team stayed current on best practices.
- Involved in content development for education and training.
- Contributed to ongoing research projects, enhancing evidence-based practices within the healthcare facility.
- Mentored junior physician assistants, fostering professional growth and development within the team.
- Enhanced collaboration with physicians by establishing clear lines of communication and regularly discussing patient cases.
- Updated clinical knowledge and skills through formal and informal continuing education, workshop attendance, and literature review

**Senior Physician Assistant, 12/2009 - 01/2013**

**Medica Super Specialty Hospital – Kolkata**

**Physician Assistant (CTVS) and Senior Executive, 10/2008 - 11/2009**

**Apollo Hospitals – Bilaspur, Chattisgarh**

**Physician Assistant**

**Narayan Hrudayalaya – Rabindra Nath Tagore International Institute of Cardiac Sciences – Kolkata**

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## EDUCATION

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**Doctorate (DMSc): 08/2024**

**University of Lynchburg - Lynchburg, VA**

- Final Grade: 3.91

**MBA: Healthcare Management, 01/2019**

**Suresh Gyan Vihar University - Jaipur, Rajasthan**

**Bachelor of Science: Physician Assistant, 08/2004**

**MMM, Birla Institute of Technology And Science - Pilani, Rajasthan**

- Graduation with Distinction, 2004
- Final Grade: 9.40

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## ACCOMPLISHMENTS

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- Contributed to clinical research in collaboration with IIT-KGP on Early detection of coronary artery disease.
- Worked on the project: A multi-modal approach for non-invasive detection of coronary artery disease

in association with Tata Consultancy Services.

- I worked on a project involving a wrist-wearable COVID-19 prediction system designed to protect healthcare professionals in collaboration with Tata Consultancy Services.
- Involved in real-time Patient data collection using BIOPAC.
- Currently, I am working on multiple research papers that will be published in peer-reviewed journals.
- European Patent Application for Method and System for Early Detection of COVID-19.
- Served in a cardio-thoracic surgery team comprising four cardiothoracic surgeons and one physician assistant with 24/7 coverage.
- Founder of You Tube channel AAT Learning Hub
- Training and educating junior colleagues, and other healthcare professionals.

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## CERTIFICATIONS

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- 2016, Cardiothoracic Surgery, Indian Association of Cardiothoracic Surgeons.
- Fellow Association of Physician Assistants in Cardiothoracic and Vascular Surgery (FAPACVS)

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## AFFILIATIONS

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- International Board Member Association of Physician Assistants in Cardio Vascular Surgery (APACVS)
- Life member Indian Association of Physician Assistants (IAPA)
- Member International Academy of Physician Associate Educators (IAPAE)
- Member PA Education Association (PAEA)

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## ADDITIONAL INFORMATION

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- **Member of the National Council for Allied and Healthcare Professional (NCAHP) Curriculum Building Taskforce.**
- **Board of Directors, Association of Physician Assistants in Cardio Vascular Surgery (APACVS)**
- Faculty and Mentor APACVS
- **Visiting Faculty, Brainware University**
- **Member Board Of Studied, Brainware University**
- **Co Editor In Chief Journal of Indian Physician Associates (JIPA)**
- **Peer Reviewer for Journal of Medical Sciences (JMS), University of Lynchburg**
- General Secretary Indian Association of Physician Assistant (IAPA) 2018-2020
- Past President IAPA-West Bengal Chapter.

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## LANGUAGES

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English

Bilingual or Proficient (C2)

Hindi

Bilingual or Proficient (C2)

Bengali

Bilingual or Proficient (C2)

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## PUBLICATIONS

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- Bandyopadhyay S, Das RK, Bhelotkar A, Acharia T. A rare case of a left atrial hemangioma mimicking a myxoma. *Ann Card Anaesth*. 2013;16(2):144-146. doi:10.4103/0971-9784.109773
- Jaiswal D, Mandana K, Ramakrishnan RK, et al. An approach to a wrist wearable based Covid-19 prediction system to protect Health Care Professionals. *Annu Int Conf IEEE Eng Med Biol Soc*. 2022;2022:2459-2463. doi:10.1109/EMBC48229.2022.9871146
- Acharia T, Mandana KM, Bhelotkar A, Bandyopadhyay S, Tiwari LN, Mandal DL. Quadricuspid aortic valve: a case of a 46 year old symptomatic female. *JAPACVS*. 2025; 6(4): 7-14. [https://issuu.com/japacvs/docs/japacvs\\_vol.\\_6\\_no\\_4](https://issuu.com/japacvs/docs/japacvs_vol._6_no_4)
- Acharia T. A Systematic Review Comparing the Impact of Skeletonized Versus Pedicled Internal Mammary Artery Harvesting on Patient Outcomes in Coronary Artery Bypass Grafting. *University of Lynchburg DMSc Doctoral Project Assignment Repository*. 2024; 6(2). <https://digitalshowcase.lynchburg.edu/dmscjournal>

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## AWARDS

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**Best Physician Assistant Award, 2024**

**Recipient of KM Cherian Gold Medal for outstanding work as a CTVS Physician Assistant**