



Ashwin K Nayak

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CLINICAL OFFICE (PRIMARY)

- **Dept of Medicine**

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Bio

BIO

Ashwin Nayak M.D., M.S. is a Clinical Assistant Professor at the Stanford School of Medicine. He completed his M.D. at the University of Illinois at Chicago College of Medicine and Internal Medicine residency at Stanford. He completed his master's degree in Clinical Informatics Management at Stanford University and is board-certified in Clinical Informatics. In addition to his role as a clinician, he is a software engineer with a background in machine learning and digital health. His research on large language models, conversational AI, and machine learning has been published in leading academic journals including JAMA Internal Medicine and Nature Digital Medicine.

CLINICAL FOCUS

- Internal Medicine
- Clinical Informatics

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Medicine

ADMINISTRATIVE APPOINTMENTS

- Section Chief, Med 7, Stanford University, (2022-2025)

PROFESSIONAL EDUCATION

- Board Certification: Clinical Informatics, American Board of Preventive Medicine (2023)
- Board Certification, American Board of Preventive Medicine , Clinical Informatics (2023)
- MS, Stanford University , Clinical Informatics Management (2022)
- Board Certification: Internal Medicine, American Board of Internal Medicine (2021)
- Residency: Stanford University Internal Medicine Residency (2021) CA
- Medical Education: University of Illinois College of Medicine (2018) IL

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Conversational AI, Large Language Models, Digital Therapeutics

CLINICAL TRIALS

- Managing Insulin With a Voice AI, Not Recruiting

Publications

PUBLICATIONS

- **Holistic evaluation of large language models for medical tasks with MedHELM.** *Nature medicine*
Bedi, S., Cui, H., Fuentes, M., Unell, A., Wornow, M., Banda, J. M., Kotecha, N., Keyes, T., Mai, Y., Oez, M., Qiu, H., Jain, S., Schettini, et al
2026
- **Artificial Intelligence in the Clinic: Don't Pay for the Tool, Pay for the Care** *NEJM Catalyst*
Vakili, S., Nayak, A., Conrad, A., Schulman, K.
2026; 7 (3)
- **Comparing IM Residency Application Personal Statements Generated by GPT-4 and Authentic Applicants.** *Journal of general internal medicine*
Nair, V., Nayak, A., Ahuja, N., Weng, Y., Keet, K., Hosamani, P., Hom, J.
2024
- **MedAlign: A Clinician-Generated Dataset for Instruction Following with Electronic Medical Records.** *Proceedings of the ... AAAI Conference on Artificial Intelligence. AAAI Conference on Artificial Intelligence*
Fleming, S. L., Lozano, A., Haberkorn, W. J., Jindal, J. A., Reis, E., Thapa, R., Blankemeier, L., Genkins, J. Z., Steinberg, E., Nayak, A., Patel, B., Chiang, C. C., Callahan, et al
2024; 38 (20): 22021-22030
- **Diagnostic reasoning prompts reveal the potential for large language model interpretability in medicine.** *NPJ digital medicine*
Savage, T., Nayak, A., Gallo, R., Rangan, E., Chen, J. H.
2024; 7 (1): 20
- **MEDALIGN: A Clinician-Generated Dataset for Instruction Following with Electronic Medical Records**
Fleming, S. L., Lozano, A., Haberkorn, W. J., Jindal, J. A., Reis, E., Thapa, R., Blankemeier, L., Genkins, J. Z., Steinberg, E., Nayak, A., Patel, B., Chiang, C., Callahan, et al
edited by Wooldridge, M., Dy, J., Natarajan, S.
ASSOC ADVANCEMENT ARTIFICIAL INTELLIGENCE.2024: 22021-22030
- **Use of Voice-Based Conversational Artificial Intelligence for Basal Insulin Prescription Management Among Patients With Type 2 Diabetes: A Randomized Clinical Trial.** *JAMA network open*
Nayak, A., Vakili, S., Nayak, K., Nikolov, M., Chiu, M., Sosseinheimer, P., Talamantes, S., Testa, S., Palanisamy, S., Giri, V., Schulman, K.
2023; 6 (12): e2340232
- **Comparison of History of Present Illness Summaries Generated by a Chatbot and Senior Internal Medicine Residents.** *JAMA internal medicine*
Nayak, A., Alkaitis, M. S., Nayak, K., Nikolov, M., Weinfurt, K. P., Schulman, K.
2023
- **MedAlign: A Clinician-Generated Dataset for Instruction Following with Electronic Medical Records** *arXiv*
Fleming, S. L.
2023
- **Reactivation of Chagas Disease in a Patient With an Autoimmune Rheumatic Disease: Case Report and Review of the Literature.** *Open forum infectious diseases*
Czech, M. M., Nayak, A. K., Subramanian, K. n., Suarez, J. F., Ferguson, J. n., Jacobson, K. B., Montgomery, S. P., Chang, M. n., Bae, G. H., Raghavan, S. S., Wang, H. n., Miranti, E. n., Budvytiene, et al

2021; 8 (2): ofaa642

● **A DEEP LEARNING ALGORITHM ACCURATELY DETECTS PERICARDIAL EFFUSION ON ECHOCARDIOGRAPHY**

Nayak, A., Ouyang, D., Ashley, E. A.
ELSEVIER SCIENCE INC.2020: 1563

● **Patient-centered design in developing a mobile application for oral anticancer medications** *JOURNAL OF THE AMERICAN PHARMACISTS ASSOCIATION*

Crawford, S. Y., Boyd, A. D., Nayak, A. K., Venepalli, N. K., Cuellar, S., Wirth, S. M., Hsu, G.
2019; 59 (2): S586-+

● **Visual Recognition Software for Binary Classification and Its Application to Spruce Pollen Identification** *PLOS ONE*

Tcheng, D. K., Nayak, A. K., Fowlkes, C. C., Punyasena, S. W.
2016; 11 (2): e0148879

● **Semi-automated segmentation of pollen grains in microscopic images: a tool for three imaging modes** *GRANA*

Johnsrud, S., Yang, H., Nayak, A., Punyasena, S.
2013; 52 (3): 181-191