

SHREYA KAPOOR

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EDUCATION

University of Michigan, Ann Arbor, MI

Aug '21-Apr '23

Master of Health Informatics at School of Information, School of Public Health, Ross School of Business, and the Medical School; GPA- 4.0

Past Coursework: Contextual Inquiry and Consulting Foundation, Intro Health Informatics, Intro Stats & Data Analysis, Programming I(Python), Understanding US Health System.

Current Coursework: Database App Design, Management in Health Info, Decision Support Spreadsheet, Consumer Health Informatics, Comprehensive Health Care Strategy, Health Care Markets & Public Policy, Exploratory Data Analysis for Health, Advanced Big Data Analysis, Information Technology Strategy in Supply Chain and Logistics.

Mahatma Gandhi University of Medical Sciences and Technology, Jaipur

Nov '12-Feb '18

Bachelor of Dental Surgery; GPA- 4.0

Relevant Courses in Medicine: Human Anatomy and Physiology, Pathology, Microbiology, Biochemistry, Pharmacology, General Medicine, General Surgery

Relevant Courses in Dental: Oral and Maxillofacial Surgery, Orthodontics and Dentofacial Orthopedics, Periodontology, Public Health Dentistry, Dental Materials, Oral Diagnostic, and Radiology, Prosthodontics

SKILLS

- Technical Skills: Python, R, HTML, CSS, SQL, JavaScript, and Django (Skill level- Intermediate).
- Microsoft Office suites: MS Word, Excel, PowerPoint, Outlook, etc. (Skill level- Proficient)
- Identifying business problems, analyzing quantitative data using R or Excel, and drafting recommendations using affinity walls.
- Good understanding of key informatics, economics, policy, and database management concepts in a healthcare setting.
- Experience with EHR software (worked with tEMR and *InteroperabilityLand*).
- Administration, financial, and personnel management skills in healthcare clinical practice.

WORK EXPERIENCE

Programmer-analyst

Knowledge Grid, under Allen Flynn, Director of MHI Program (March 2022 – present)

- Produce the needed JS code, test the JS code, work with the CAMH team in Toronto to produce the needed RDF models, test the RDF models to produce knowledge graphs.
- Review the RDF models and present results, help with getting a paper reviewed and submitted.

General dentist, Manager

Yoganda Oral Maxillofacial Dental Clinic, Jaipur (March 2018 – August 2021) ▪

- Diagnosed oral & maxillofacial diseases and provided surgical treatments.
- Oversaw and directed patients' digital records. Reviewed pt.'s feedback and evaluated their underserved needs, managed pt.'s customized text alerts and post-op instructions.
- Coordinated in clinic strategic planning, marketing, and financial management

Founder and President, My Sister's Keeper

Kishangarh, Ajmer region (2019- March 2021)

- Conceptualized vision, mission, policies, and drafted strategies for the organization.

- Organized educational programs and used the data collected to analyze and visualize insights.
- Regionally awarded by the government for fund-raising for the organization.

PROJECTS

MS Health Informatics Class Projects

Current Projects:

- **Case Completion in Health IT innovation module (Telehealth)**
Deliverable - Case analysis for Ojek, E and Laufer, R. (2014). American Well: The Doctor Will E-See You Now from Harvard Business School.
- **Google Health management challenges**
Deliverable – Report and presentation on Google Health management challenges followed by recommendations for the same.
- **Consumer Health Informatics project:**
 - 1) **CHI application project on chronic diseases like diabetes and hypertension**
Deliverable - Report containing needs assessment & gap analysis, design process documents, application design concept, and implementation issues for CHI application.
 - 2) **Designing for diversity project**
Deliverable – Developing consumer health application design principles and guidelines by conducting a literature review for under deserved population.
- **Exploratory data analysis on real-world Cardiovascular patients' dataset in R**

Completed Projects:

- **Consulting Project with Company Clarilegal (Team project)**
Deliverable - Generating, evaluating, and recommending specific recommendations to improve the effectiveness and efficiency of a company's marketing strategy
- **Scholarly Paper on Learning Health Systems (LHS)**
Deliverable - Comprehensive literature review on the topic Learning Health Systems (LHS).
- **Creating an R Markdown report on Healthcare Expenditure among G7 countries**
Deliverable - Health Expenditure data from the last 20 years of G7 countries analyzed with R to gain insights and understand various correlations.

Dental Clinic Project:

- Developed Local Comprehensive Dental Records System in India ▪ Collected Pt data and analyzed it with Google forms and sheets.
- Managed pt. digital record and provided post-operative instructions and appointment reminders through text messages, all in English and Hindi.
- Conducted patients' risk and need assessment and connected multiple dental specialists in that area on the platform.

Personal Community Service Project: My Sister's Keeper

- Collaborated with government organizations and rural schools in the Kishangarh region, Ajmer with mission of "Helping girls think and care for themselves".
- Deliverable - Delivering self-care packages with basic supplies, educational pamphlets with healthcare instructions.
Current project- connecting rural schoolgirls with urban schools by digital educational and healthcare platform.