Darshan Kalola

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EDUCATION

Harvard University	Cambridge, MA
Master of Public Health	*Aug. 2023 – May 2024*
Rutgers New Jersey Medical School	Newark, NJ
Medical Doctorate	*Aug. 2020 – May 2025*
The College of New Jersey	Ewing, NJ
Bachelor in Computer Science	*Aug. 2016 – May 2020*

EXPERIENCE

Software Engineer — April 2024 – May 2024
Illumicell — *Cambridge, MA*
- Developed machine learning pipelines for AI assisted fertility testing using Google Cloud Platform's Vertex AI.

Founding Engineer — Sep. 2023 – May 2024
Laptis — *Cambridge, MA*
- Laptis is an early-stage startup founded by Harvard graduate students that connects patients to substance use treatment resources.
- Built the initial product from scratch using React, NextJS, and Django Rest Framework.

Founder — Aug. 2023 – May 2024
Pillanti — *Cambridge, MA*
- Pillanti provided software to physicians and hospitals to improve their antibiotic prescribing practices. Accepted into Harvard HealthLabs Accelerator's 2024 cohort ($10k raised in non-dilutive seed funding).

Software Engineering Intern — May 2020 – Aug. 2020
YouTube — *San Bruno, CA*
- Built and shipped several new recommendations shelves on the YouTube Living Room App.

Software Engineering Intern — May 2019 – Aug. 2019
Memorial Sloan Kettering — *New York City, NYC*
- Built a software platform to generate cardiac cell action potential models using genetic algorithms. Work was later published in the British Journal of Pharmacology.

Software Engineering Intern — Jan. 2019 – Apr. 2019
Google — *Sunnyvale, CA*
- Worked on the Google Cloud AI Healthcare team.
- Designed and implemented a novel biometric authentication strategy for mobile devices using photoplethysmography data and deep learning.

Software Engineering Intern — May 2018 – Aug. 2018
AT&T — *Middletown, NJ*
- Developed a Node.js Chatbot to perform real device Voice over Internet Protocol (VoIP) testing.

PROJECTS

Cosmos EHR | *Python, Django, React, PostgreSQL* — May 2020 – Aug. 2020
- A minimalist, web-based electronic health records system for tech-savvy primary care physicians.

Homecare | *Swift, Xcode* — Sep. 2018 – Sep. 2018
- An iOS app that allows users to learn more about musculoskeletal injuries.

SNP Gene Analyzer | *Python, Django* — Oct. 2019 – Sep. 2019
- A web app that identifies single nucleotide polymorphisms (SNPs) in an genome and displays clinical correlates.

TECHNICAL SKILLS

Languages: Python, Java, C++, C, Ruby, Javascript, HTML, CSS, Swift
Frameworks: Django, Flask, React, NextJS, Tensorflow, Keras