

# **Rakesh S. Nori**

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## **EDUCATION**

**Harvard College** Cambridge, MA

Computer Science & Engineering, S.M. and A.B. (Concurrent Masters and Bachelors), **GPA: 3.94/4.0** May 2024

- **Relevant Coursework:**  
Systems Prog., Data Structures & Algo, Statistics: Probability & Inference, Theoretical Computing, Machine Learning, Quant Finance, Distributed Systems, Programming Languages, Systems Development, Data Science, Big Data

## **ENGINEERING EXPERIENCE**

**Ramp** New York City, NY

Backend Engineer July 2024 - Present

- Spend management team

**Splunk** San Francisco, CA

Machine Learning Engineering Intern May 2023 – Aug 2023

- Contributed production-level code as a full-stack developer for the release of Anomaly Detection App. Used Typescript and Python. Developed an adjacent internal telemetry dashboard to report user behavior within app
- Improved model's pointwise F1 score by 20 percentage points through integrating novel deep learning algorithms such as LSTMs and AERs using TensorFlow. Presented findings to Head of ML at Splunk

Software Engineering Intern: Cloud Networking Traffic Engineering Team May 2022 – Aug 2022

- Designed and deployed custom scripts using Python and Bash to automate IPAM and monitoring tasks, which removed a bottleneck for 100+ employees requesting manual IPAM services
- Led product reviews in meetings with third party networking services. Presented findings to director of Splunk Cloud

**Quantumscape** San Jose, CA

Software Engineering Intern May 2021 – Aug 2021

- Incorporated gRPC, Protobuf, Kubernetes, and Docker to deploy a server that wrapped around company's time series database & query data from over 100,000+ data points
- Constructed an unsupervised anomaly detection model for time series battery conductivity data. Used results to predict the best electrolyte for battery conductivity out of 300+ candidates

## **EXTRACURRICULAR EXPERIENCE**

**Harvard Undergraduate Capital Partners** Cambridge, MA

Managing Director of Sourcing Jan 2021 – May 2022

- Spearheaded a 20-member team in sourcing 100+ promising college-based startups for top VC firm partners

**STAT 110: Intro to Probability** Cambridge, MA

Teaching Fellow Aug 2021 – Dec 2022

- Provided feedback and supplementary instruction on college-level statistics concepts for over 30 students
- Synthesized lecture notes and effectively communicated statistical problem-solving methods to students in sections

## **SKILLS & PROJECTS:**

**Technical Skills:** Python, React, Java R, Bash script, C, C++, Protobuf, Docker, Neo4J, AWS

**NotesWise** May 2023 - Present

- Made a [chatbot](#) teaching assistant using that uses students' notes and textbooks to help them answer homework questions. Built with Python, Langchain, ChromaDB, OpenAI's GPT API, and Streamlit

**MindWell** May 2023 - Present

- Built a [website](#) using React + Django that uses an LLM to Perform Emotion Analysis on User's Journal Entries

**Keystream** Nov 2022

- Built a web service to lend subscription services (e.g. Netflix). Placed 2<sup>nd</sup>, won \$10k at Tron's Web3 hackathon