Shraddha Anand
Software Engineer

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EDUCATION

WELLESLEY COLLEGE   Wellesley, MA
Bachelor of Arts: Double major in Mathematics (Honors) and Economics   Sept. 2017 - May 2021
MASSACHUSETTS INSTITUTE OF TECHNOLOGY   Cambridge, MA
Cross-registered student   Sept. 2019 - May 2020
GENERAL ASSEMBLY SOFTWARE ENGINEERING IMMERSIVE PROGRAM   Boston, MA
An intensive, 12-week, 400+ hour full stack software engineering training program.   May 2022 - August 2022

TECHNICAL SKILLS

Programming Languages: Java, Python, JavaScript, SQL, HTML, CSS, R, Stata
Software: Spring Boot, React, Django, Mongoose, MongoDB, PostgreSQL, Node, Express, Git, GitHub
Coursework: Probability Theory and Statistics, Complex Analysis, Topology, Causal Inference, Statistical Modeling

PROJECTS

Moving Co. | Team Project   July 2022 – present
- Designed and built full software stack of a social media application with a team of 3 SWEs. Users can read and post tips and tricks about moving on the app's blog.
- Built full CRUD, REST API with JWT authentication using Java Spring Boot and PostgreSQL.
- **Technologies used:** Spring Boot, Java, React, JavaScript, Bootstrap, HTML, CSS, PostgreSQL

Website | Code

Redoit | Team Project   July 2022 – present
- As SCRUM Lead, led a team of 4 software engineers in creating a social media application that allows users share their thoughts by making posts, commenting on posts, and up/down voting posts.
- Built CRUD API in MongoDB, connected frontend to API via Axios calls, and organized daily stand-ups.
- **Technologies used:** React, JavaScript, Bootstrap, HTML, CSS, Heroku, MongoDB, Mongoose, Node, Express

Website | Deployed Backend | Code

TravelTips | Solo Project   June 2022
- Designed and built a website where a user can enter their travel destination and get information about the weather, local news, and hotels and restaurants in the area using 4 3rd party APIs.
- **Technologies used:** React, JavaScript, HTML, CSS, 3rd Party APIs (yelp-api)

Website | Code

The Power Advantage of Correctly Analyzing Rerandomized Experiments | Senior Thesis   Feb. 2019 – present
- Statistically quantified the power advantage of the rerandomization test over the t-test. Extended the field of rerandomization by studying alternative criteria to balance samples and analyze power advantages.

Paper

WORK EXPERIENCE

HARVARD BUSINESS SCHOOL, STRATEGY UNIT   Cambridge, MA | July 2021 – June 2022
- Researched techniques to map Twitter profile information to occupation to study the #MeToo movement.
- Created graphs and analyses used in official course material in a required, quantitative graduate course at HBS.
- Took graduate economics courses at Harvard Graduate School Arts and Sciences (GSAS)

WELLESLEY COLLEGE   Wellesley, MA | June 2018 – Sept. 2020
- Used STATA to clean and analyze firm-level data from World Bank's Enterprise Survey.
- As a teaching assistant, held weekly review sessions and graded problem sets for sections of 25+ students for the following courses: Multivariable Calculus, Linear Algebra, Introductory and Intermediate Microeconomics, Applied Data Analysis and Statistical Inference, Math for Economics and Finance.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY   Cambridge, MA | June 2019 – Oct. 2021
- Led code review process of STATA files, prepared analyses for project, and led transition from Dropbox to GitHub
- Cleaned and merged USA precinct-level 2016 election datasets into a mature, open-source code repository

INTERNATIONAL MONETARY FUND   Washington, DC | Feb 2020 – Oct. 2021
- Wrote a paper which disentangles the relationship between public and private investment at the state level in India.
- Created a novel state-level investment dataset using the CapEX-CMIE database

Presentation | Code