SAMARTH GHAI

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Education

University of California, Berkeley   **August 2021 – May 2024**
BA Computer Science, Statistics Minor, Certificate in Entrepreneurship and Technology   *GPA: 3.837*

Relevant Coursework

Data Structures and Algorithms, Structure and Interpretation of Programs, Designing Information Devices and Systems, Discrete Math and Probability, Calculus, Quantitative Finance, Entrepreneurship Challenge Lab

Experience

Undergraduate Research Apprentice Program   **September 2022 – December 2022**
Incoming Deep Learning Research Assistant for C. Light Technologies   *Berkeley, California*

Adobe   **June 2022 – August 2022**
Software Engineering Intern   *Remote*
- Developed an application using Adobe Experience Manager and React that queries an AEM server using GraphQL and headlessly renders Content Fragments in a ready made single-page application for potential clients.
- Used Postman to test out AEM GraphQL endpoints and perform CRUD operations on Content Fragment Models.
- Developed React projects related to proxying requests, rendering JSON data, and making persistent query calls.

Plextech - Software Consulting Club   **August 2021 – Present**
Senior Project Developer   *Berkeley, California*
- Worked with a client (OK Roger) to complete various deliverables using Bootstrap, JavaScript, and Scala.
- Completed a semester long boot-camp on full-stack development using MongoDB, Express, React, and Node JS.
- Led a team of 5 developers and closely worked with the POC and Project Manager.

Menteere   **January 2022 – May 2022**
Software Engineering Intern and Technical Consultant   *Berkeley, California*
- Integrated the Stripe Payment API into their web-based application using React, Express, and Stripe Checkout.
- Identified and fixed bugs across the website and created mini-projects related to querying databases with SQlite.
- Conducted technical research on payment APIs and video conference systems and pitched these to the CTO.

Socialin   **February 2020 – March 2021**
Founder and Developer   *Delhi, India*
- Developed and managed a web-portal to connect NGOs to volunteers using Bootstrap and WordPress plugins.
- Guided a team of 10 members, onboarded over 100 accounts, and implemented a volunteer management dashboard.

Projects

Rate Your Dorm | *React, Express, Node JS, MongoDB* | Link
- Created a forum application using the MERN stack that lets users rate their dorms and sort reviews by colleges.
- Implemented user authentication using JSON Web Token and features such as file upload and comments.

Aravali Infoportal | *Bootstrap, Django* | Link
- Developed an information portal for my school's 2000+ student body using Django and Bootstrap frameworks.
- Implemented functionality such as an event posting dashboard and various custom pages for post categories.

Gitlet - Git CLI | *Java, IntelliJ for testing and development*
- Created a version control-system (back-up system for files) from scratch using Java and various data structures.
- Added support for commands such as commit, checkout, merge, log, branch, etc and conflict-detection.

Heart Attack Prediction Model | *Python, ML Libraries* | Link
- Conducted Uni-variate and Bi-variate Exploratory Data Analysis using Matplotlip, Seaborn, Numpy, and Pandas.
- Developed and trained Logistic Regression, SVM, and Random Forest Models using SKLearn to make predictions.

Technical Skills

Languages: Python, Java, HTML/CSS, JavaScript, SQL, Scheme **Developer Tools**: Git, VS Code, Postman, IntelliJ
Technologies/Frameworks: Bootstrap, React, Express, WordPress, Node JS, MongoDB, GraphQL, Django, AWS
Machine Learning and Data Science: Scikitlearn, Numpy, Seaborn, Pandas, Matplotlib, Keras, Tensorflow, NLTK