

PARTH SHAH

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EDUCATION

University of California, San Diego

Sep 2018 - Present

Bachelor of Science - Computer Science

GPA – 3.87. Expected Graduation: December 2021.

Honors: Provost Honors - Awarded for academic excellence in a quarter

Relevant Coursework: Object-Oriented Programming: Java • Data Structures • Discrete Mathematics • Linear Algebra • Computer Organization and Systems Programming • Mathematics for Algorithm and Systems • Statistical Methods • Theory of Computation • Advanced Data Structures • Introduction to Machine Learning

EXPERIENCE

Undergraduate Researcher, Qualcomm Institute, La Jolla, California

Jan 2020 – Present

- Designed graph networks on a Neo4j database using cypher queries in order to find the optimum path between the initial and final nodes.
- Trained machine learning algorithms to highlight the optimum path based on weights assigned to every node.
- Researching about future applications of graph networks before publishing a paper about the same.

Software Engineering Intern, Mirum Agency, Mumbai, India

Jul 2019 – Aug 2019

- Created a web application that automated room reservations for an entire office building, which led to an increase in reservation efficiency by over 90% due to the complete elimination of human assistance.
- Converted wireframes to front end production code using HTML5, CSS3, Bootstrap, and JavaScript.
- Optimized the SQL database for performance tuning and updated database interactions as application scaled including the establishment of CRUD cycles using PHP.

Vice President of External Relations, Lumnus Consulting, La Jolla, California

Apr 2019 – Present

- Advised various clients on strategic problems by drafting deliverables that were evaluated by employing business frameworks such as Ansoff's matrix, SWOT analysis, growth-share matrix, and marketing mix.
- Appointed as Program Manager for a networking event with executives from the Big 5 consulting firms in the San Diego Area, with the goal of instituting new partnerships with these firms.
- Developed and maintained relations with advisors and mentors to facilitate the growth of the organization.

PROJECTS

Eggspired: A grocery shopping list app built to reduce waste and promote sustainability by sending the user a text message when a product on their grocery list is going to expire.

Technologies: HTML, CSS, Bootstrap, JavaScript, jQuery, PHP, MySQL, XAMPP Apache server, Twilio API.

URL: <https://github.com/quylanmac/Eggspired-Finished>

UCSD Calorie: A calorie counter app, which calculates the cost and calories of food items from dining halls, built to help UCSD students budget their expenses on food while remaining healthy.

Technologies: HTML, CSS, and JavaScript.

URL: <https://ucsdcalorie.com> (access using mobile phone only).

Stock Analyzer: A software built to predict the movement of a stock's price by performing a sentiment analysis on news articles using Natural Language Processing packages.

Technologies: Python.

URL: Work in Progress.

SKILLS

Languages: Java, Python, C, C++, HTML, CSS, Bootstrap, JavaScript, SQL, ARM Assembly, PHP, MATLAB.

Tools and Softwares: Unix/Linux, Junit, Google Testing, Maven, Git, BASH, GDB, Valgrind, Neo4j, Docker.