

PARTH SHAH

Irvine, CA | (949) 561-7075 | parths4@uci.edu | [linkedin.com/in/parth-shah97/](https://www.linkedin.com/in/parth-shah97/) | parth2844.github.io/parth-shah/

EDUCATION

University of California - Irvine, Irvine

Expected Dec 2020

Master of Computer Science – **GPA-3.97/4**

Coursework: Algorithms, Data Structures, Parallel and Distributed Computing, Machine Learning, Operating Systems

University of Mumbai, Mumbai

May 2019

Bachelor of Computer Engineering – **GPA-8.3/10**

Coursework: Object-oriented programming, Software Engineering, Database Management Systems, Web Technologies

TECHNICAL SKILLS

Programming Languages: Java, Python, JavaScript, C, C++

Web Technologies: HTML, CSS, ReactJS, NodeJS, Angular, Redux, PHP, jQuery, Material-UI, Bootstrap

Databases: MySQL, MongoDB, DynamoDB, PostgreSQL, Oracle DB, Microsoft SQL Server

Software and Tools: AWS, REST API, MVC, Git, Kanban, Agile, Jenkins, JUnit, WordPress, Postman, Bit Bucket, Jira, Confluence, Figma, Scikit-learn, Pandas, Tensorflow, OpenCV, Keras

PROFESSIONAL EXPERIENCE

Advanced Energy Analytics – Software Engineering Intern

Jun 2020 – Aug 2020

- Built cloud architecture to migrate company resources on AWS infrastructure practicing Agile principles
- Worked on deployment of AWS Lambda functions for computation and EC2 instance for web-portal
- Automated the PDF report generation process using puppeteer with S3 triggers on NodeJS Lambda function

Kretiva – Front End Development Intern

Apr 2020 – Jul 2020

- Developed cross-browser/platform compatible responsive webpages, components with HTML, CSS, JavaScript, React, Material-UI and deployed them in a CI/CD environment using Jenkins pipelines
- Redesigned webpages and achieved a total reduction of 40% in load time, improving user experience
- Developed Redux stores and actions, performed API integrations, set-up session storage for customer facing portal

Innovative Distributors – Web Development Intern

Dec 2017 – Feb 2018

- Revamped user interface using WordPress and integrated MySQL database for efficient data flow
- Performed SEO and utilized Google AdWords online marketing platform to increase web traffic by 35%

PROJECTS

Chat Rooms – NodeJS, ReactJS, Socket.io

- Built real-time chat application based on a client-server architecture with functionality to join different groups
- Used NodeJS and Socket.io as the backend technology and created front-end with ReactJS and Bootstrap

Sudoku Solving AI – Java, Artificial Intelligence

- Automated generation of Sudoku boards with increasing complexities to analyze performance of AI bots
- Bot operated using AI heuristics combined with backtracking to solve puzzles as big as 25x25 in under 10 minutes

Computation of Mathematical Equations using Gestures - Python, OpenCV, Keras, Tensorflow

- Constructed a tracker and trained a deep learning CNN model to record and analyze live video stream using OpenCV for motion tracking and gesture recognition
- Designed video compression pipelines to compress streams of higher frame per second for faster processing time
- Achieved an accuracy of 98.29% on MNIST dataset for classification of hand-written digits and letters

Educational Institute Database System - MySQL, Java, Java Swing

- Created a relational database management system to maintain records for an educational institute
- Incorporated a GUI tool built with Java Swing toolkit for filtering and displaying summarized records