

Parth Shah

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EDUCATION

University of California Irvine, Irvine

Expected Dec 20

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

Relevant Courses: Fundamentals of Algorithms, Data Structures with Applications, Machine Learning, Artificial Intelligence

University of Mumbai, Mumbai

May 19

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

Relevant Courses: Data Structures, Algorithms, Software Engineering, Data Warehouse and Mining, Database Management Systems, Web Technologies

TECHNICAL SKILLS

Programming Languages

Java, Python, JavaScript, C, C++

Web and Database

React, Redux, Node, HTML, CSS, PHP, MySQL, MongoDB

Frameworks

Material-UI, Bootstrap, Scikit-learn, Tensorflow, OpenCV, Keras

Tools

Git, Jenkins, Jira, Confluence, Figma

EXPERIENCE

Advance Energy Analytics – Software Engineering Intern

Jun 20 – Present

- Planning and assisting deployment of company's software platform on Amazon Cloud computing environment.

Kretiva – Front End Development Intern

Apr 20 – Present

- Supporting the development of company's online e-commerce platform using React in a CI/CD environment
- Responsible for developing and maintaining webpages, email templates and performing API integrations

Innovative Distributors – Web Development Intern

Dec 17 – Feb 18

- Restructured front end of e-commerce website and integrated the database to present live inventory information
- Promoted and marketed products using Google AdWords platform, which increased website hits by 30-40%

PROJECTS

House Price Prediction – Python, Scikit-learn

Apr 20 – May 20

- Performed data exploration to analyze the features affecting the Sale price of houses.
- Developed a prediction model with 88% accuracy to estimate the Sale Price using only prominent factors.

Chat Rooms – Node, JavaScript

Feb 20 – Mar 20

- Programmed an online chat application with the functionality to join different chatting groups or rooms.

Sudoku Solving Intelligent Agent – Java

Sep 19 – Dec 19

- Smart Agent for solving complex Sudoku boards (sizes greater than 9x9).
- Agent functions using advanced Artificial Intelligence heuristics for selecting the most optimal variable and value.

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

Aug 18 – Apr 19

- Constructed a tracker to record and recognize hand gestures and numerical input.
- Devised a CNN model on MNIST dataset to achieve 98.29% accuracy for classification of digits.
- Incorporated various functionalities of a calculator with added support for multiple types of equations.

Educational Institute Database - MySQL, Java

Feb 18 – Apr 18

- Created a database to maintain records for an educational institute.
- Integrated a GUI tool to filter and display summarized records to speed up user and database interaction.