

# Parv Jain

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## EDUCATION

**California State University, Fresno, CA**

**B.S Computer Science**

**Aug 2017 – May 2021**

Relevant Coursework - Web Programming , Algorithm & Data Structure, Database Systems, **Big Data Analytics**, Operating Systems

## CERTIFICATIONS

- **AWS Certified Developer-Associate**
- **Data Science Bootcamp (Udemy)**
- **IT Networking Fundamentals (Udemy)**

## TECHNICAL SKILLS

- **Programming Languages:** Python, C/C++
- **Web Technologies:** HTML5, CSS3, PHP, JavaScript, REST API
- **Frameworks:** Amazon API Gateway, Bootstrap, React.js
- **Databases:** MySQL, DynamoDB, RDBMS, NoSQL
- **Cloud Technologies:** Amazon Web Services (AWS) - S3, EC2, VPC, Route53, IAM, ASG, ELB
- **Tools, Servers:** Apache HTTP Server, Git, JIRA
- **Platforms:** Linux (Ubuntu), AWS CLI, AWS Console, Windows
- **Other Technologies:** Agile, Scrum, Software design patterns, Excel (Pivot tables)

## PROFESSIONAL EXPERIENCE

**Web Developer, California State University, Fresno, CA**

**March 2019 - Current**

- **Technologies:** PHP, MySQL, HTML5, CSS3, Git
- Developed a Web application to check-out university vehicles by working collaboratively with senior members.
- Communicated with end-users and interpreted the client specifications to the developers.
- Resolved bugs by testing multiple versions of the application.
- Consistently updated existing content for 13+ sub-department web pages for more than 8,000 students.

**Web Designer/Student Assistant, California State University, Fresno CA**

**August 2018 – January 2021**

- **Technologies:** PHP, MYSQL HTML5, CSS3, CMS
- Redesigned 4 major webpages to enhance UX using deep links to improve accessibility by more than 4X.
- Enhanced Search Engine Optimization (SEO) for 20+ webpages to improve organic web traffic.
- Redesigned 100% of events pages creating accordion-style navigation where each layer represents different events.
- Worked the box office and the house manager during events. Assisted people with disabilities to ensure the best customer service.

**Cloud Operations Intern, Studycity, Derwood, MD**

**June 2018 – August 2018**

- Worked with the Cloud Operations team to automate infrastructure management.
- Deployed a CI/CD pipeline in AWS DevOps that pulls code from the source repository and automatically deploys it to an EC2 instance.
- Conducted a cost-benefit analysis to determine the feasibility of moving an on-prem environment completely into the cloud.
- Performed a cost optimization analysis on our AWS environment and identify areas that can save the company money.

## ACADEMIC PROJECTS

**Fault-Tolerant WordPress Website using AWS**

- **Technologies:** AWS EC2, S3, CloudFront, ASG, RDS, VPC, Route53,
- Deployed a VPC to host a website with load balancing, Autoscaling using CloudFront, Route53, ELB, and ASG.
- Hosted the website on two EC2 Linux instances in different Availability zones using Apache and WordPress. Used Amazon RDS to deploy multi-AZ for disaster recovery.
- Used Security groups and NACLs to ensure security.

**Battleship Game using LAMP Stack | [GIT](#)**

- **Technologies:** PHP, MySQL, HTML5, CSS3, Git
- Worked with a team to develop a clone of classic Battleship board game using PHP, HTML5 and Javascript.
- Players sign-up to get login credentials and play the game versus an AI that shoots on random locations.
- Everytime a player shoots the application works by connecting to a MySQL database to determine the location of the ship and return hit or miss.

**Data Analysis Bigdata**

- **Technologies:** Python, pandas, Matplotlib, HiveQL, Spark
- ETL process of the data using HiveQL and Spark.
- Performed prescriptive, descriptive, and predictive analysis on Covid-19 data using Python.
- K-means clustering to find the relation between temperature and affected cases of Covid-19.