

Priyal Padheriya

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EDUCATION

Master of Science in Computer Science

Arizona State University, Tempe, AZ

Graduating Dec 2023

GPA: 4.22/4.0

Relevant Coursework: Data Processing at Scale, Data Mining, Data Science for System Decision Analytics, Intro to Deep Learning

Bachelor of Technology in Information Technology with Minors in Finance

Nirma University, Gujarat, India

August 2017 - May 2021

Relevant Coursework: Data Structures & Algorithms, Machine Learning, Software Engineering, Big Data Analytics, Business Analysis & Optimization, Theory of Computation, Operating Systems, Information Retrieval Systems, Data Communication Network

TECHNICAL SKILLS

Programming Languages: Python, Java, C++, JavaScript, HTML, CSS, PHP, SQL, MongoDB

Tools & Technologies: WordPress, Atlassian JIRA, Tableau, Hadoop, Amazon Web Services, Machine Learning Algorithms, Google Analytics

Project Management: Project Planning, Task and Risk Management, MVP Creation, SCRUM methodology, Agile methodology, Requirement gathering, User experience design, Prototyping, Data Management

PROFESSIONAL EXPERIENCE

Researcher: The Luminosity Lab, Arizona State University

06/2022 - Present

- Working on developing the Rodel Arizona Futures Stimulator, an interactive simulator that provides enhanced decision-making using ReactJS and Python. Responsible for analyzing the effects of business decisions based on past data of around 30 years.
- Testing the performance of aggregation of data and improving it using Python to display the stimulation state on the front end.

Verifier: Admission Services, Arizona State University

02/2022 - 05/2022

- Meticulously verified the application documents of prospective ASU students with attention to detail.
- Processed over 50+ transcripts daily in the indexing system with over 90% accuracy thereby decreasing the overall processing time by 4 days every month.

Software Developer: PlayPower Labs, Gujarat, India

06/2021 - 10/2021

- Implemented upgraded versions of the Inventory Management System to incorporate more features.
- Engineered full-stack application using MEAN stack, handled database, deployed the application to cloud using AWS, solved bugs, and improved efficiency of the system by 30%.

Program Manager Intern: Ajmera Infotech Pvt. Ltd., Gujarat, India

01/2021 - 04/2021

- Responsible for planning of two products – job interview portal and chrome extension and leading a team of 12 developers. Duties included MVP creation, documenting requirements, wireframe development using Figma, feature testing, and product delivery.
- Leveraged project management software JIRA to track the progress of the project and used Git for version control.
- Created dashboards to help developers track their progress and prioritize tasks which increased the work efficiency by 40%

Project Co-Ordinator: Inspiron Technologies, Gujarat, India

01/2020 - 04/2020

- Prepared project reports created a WordPress website for an education app, and improved its SEO score by 20%.
- Tested the app for bugs and documented different validation procedures, improving efficiency by up to 50%.

PROJECTS

Smart City Development through Big Data Analytics, Academic Project

01/2022 - 04/2022

- Implemented a Machine Learning project that compares and analyzes various ML models to predict road accident severity.
- Boosted the accuracy of the model by almost 85% with the use of hyper-parameter tuning and evaluated models using cross-validation techniques to get insights about important features with the use of Feature Importance.

Sorting Algorithm Comparer GUI, Personal Project

07/2019 - 12/2019

- Developed an interactive Python GUI using Tkinter that can help calculate the runtime of different sorting algorithms based on the input size and plot graphs for analysis of these runtimes.

Restaurant Management System, Academic Project

07/2018 - 12/2018

- Built a website using HTML, CSS, JavaScript, and PHP that can be used for making table reservations at restaurants and maintained its database using PostgreSQL.
- Further enhanced the website by adding features of an online food ordering system and payment methods.

CERTIFICATIONS

- Level 4 Diploma in Communication Skills;** Associate of Trinity College London Public Speaking exam
- Advanced Google Analytics;** Google
- Google IT Support Professional Certificate;** Google, Coursera
- Financial Markets with Honors,** Yale University, Coursera

PUBLICATIONS

- Author: **Prediction of Depressive Symptoms using Machine Learning,** Cognitive Sensors with IOP 2022

In-Press

EXTRACURRICULAR EXPERIENCE

- Joint Secretary;** Indian Society for Technical Education – Nirma University Students' Chapter 2019-2020
- Social Volunteer;** Government School – Ahmedabad, India 2019
- Student Representative;** Indian Society for Technical Education – Nirma University Students' Chapter 2017-2018
- Technical Event Organizer;** iFest – Annual Fest 2018
- Head Girl;** St. Kabir School, Gujarat, India 2015-2016