

Zeel Raju Prajapati

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Available Start Date: Immediately

EDUCATION

Arizona State University, Tempe

May 2023

Masters of Computer Science

GPA: 4/4

Pandit Deendayal Energy University, Gandhinagar, India

Jun 2021

Bachelor of Technology in Computer Engineering

GPA: 9.44/10

TECHNICAL SKILLS

Programming Languages – Python, Java, JavaScript, C++, C, C#, HTML5, CSS3, Julia, Ruby on Rails, MySQL, PHP

Technologies and OS – Spring, ReactJS, Angular, Hibernate, Apache Kafka, Kubernetes, JSP, Docker, AWS, Jenkins, git, NoSQL, RESTful API, XML, JSON, TensorFlow, NumPy, Pandas, Keras, scikit-learn, PyTorch, CNN, RNN, OpenCV, Jupyter, Google Colab, Unity, Android Studio, Windows, Linux, Microservices, Distributed Systems, Backend, Frontend, Full-Stack

WORK EXPERIENCE

Data Analyst at Arizona State University

Dec 2021 – Jul 2022

- Compiled a dataset of over 30,000 reviews of Amazon and BestBuy products using a web scraper created with Python and BeautifulSoup API
- Gained insight on the data by carrying out data analysis and sentiment analysis on it using Python and libraries such as nltk and vader and presented the results through various data visualization techniques and graphs
- Identified top 30 popular topics from the data by training a LDA Model for Topic Modelling on the review data and used Python and LDAvis library for its visualization
- Collaborated on the research presented by Dr. Nina Sharp at the 24th International Conference on Human-Computer Interaction

Software Developer Engineer Intern at Career Launcher

Jun 2020 – Aug 2020

- Analyzed the dataset consisting of stock data of various companies using Keras, SciPy, Pandas and Scikit-Learn
- Achieved a stock trade call predicting accuracy of over 76% by visualizing stock data for technical analysis and designing a model by using existing trade calls and Bollinger Bands
- Improved the performance of a portfolio by 40% by diversifying the portfolio according to the Modern Portfolio Theory and performing clustering for analysis

ACADEMIC PROJECTS

Real-Time Face Recognition System

Jan 2022 - May 2022

- Accomplished the development of a real time facial recognition system, achieving an accuracy rate of 93% in person identification by using AWS cloud services for scalable and reliable back-end processing.
- Enhanced the user experience by developing a front-end web page using React, JavaScript, HTML and CSS
- Improved the response time of the system by 5 seconds by configuring auto scaling for the EC2 instances using Python and boto3 library

Health Tracker

Jan 2022 - May 2022

- Designed and built a health management android application for checking user's heart rate and respiratory rate through a smart phone using Android Studio
- Maintained the user location data (using GPS) every 15 min and user's health data to a MySQL database for analysis and research
- Improved the security of the app by allowing access only by password and storing the user data to a secure global server through a website

Job Portal

Jan 2022 - May 2023

- Developed a personalized job portal website utilizing Java, Spring, MongoDB and React, empowering users to effortlessly search for job opportunities and submit new job listings, resulting in a streamlined job-seeking experience
- Reduced search query response times by 20% by using MongoDB and leveraging MongoDB Atlas for database management, enhancing data accessibility and search capabilities
- Improved user experience by creating a fast and responsive frontend using React with JavaScript, HTML5 and CSS3 and used Swagger for testing REST endpoints and Maven for accessing dependencies

CERTIFICATION AND INTERESTS

- **Certification:** Neural Networks and Deep Learning (Coursera)
- **Interests:** Exploring; gaming; reading; kayaking; adventure activities; coding; martial arts; building things

EXTRACURRICULAR ACTIVITIES AND VOLUNTEERING

- Organized a series of lectures on mathematics and science for 10th-grade students in rural areas of Gujarat
- Conducted a survey to assess the literacy rate in the nearby rural area, in collaboration with a NGO Aarya Public Charitable Trust
- Published a nature article on a newspaper "KidsAge"