**Priya Prathapaneni**

## 9518663427 priyaprathapaneni@gmail.com icons8-linkedin-25<https://www.linkedin.com/in/priya-prathapaneni-424543191> Riverside, CA, 92507

**EDUCATION**

**Master of Science, Computer Engineering**  September 2022-December 2023

University of California, Riverside GPA- 3.51/4.0

Course work: DBMS, Information Retrieval, AI, Advanced Operating Systems, Data Structures and Algorithms

**Bachelors of Technology, Computer Science and Engineering**  August 2018-May 2022

Koneru Lakshmaiah Education Foundation, Vijayawada, India GPA - 9.09/10.0

Course work: C, AI, Data Structures and Algorithms, DBMS, ML, Distributed Systems, Soft Computing, Deep Learning

**TECHNICAL SKILLS**

**Languages:** Java, Python, C/C++, SQL, MySQL, Typescript, JavaScript, HTML5,CSS, Postgre SQL.

**Frameworks:** Angular, React, Node.js, Flask, Django, Bootstrap, Git, Restful API, Express, MongoDB, Three.js

**IDE Tools:** VS Code, PyCharm, Jupyter.

**Libraries:** Pandas, NumPy, OpenCV, TensorFlow, Keras, PyTorch, XML, Matplotlib, Scipy.

**Operating Systems:** Windows, Linux.

**TECHNICAL EXPERIENCE**

**INTERN, SWHIZZ TECHNOLOGIES**  October 2021-April 2022 | Hyderabad, India

**Project 1:**

* Engineered a comprehensive Resource Planning System using Python and the Django web framework, facilitating efficient management of employee details, project staffing, and user access controls.
* Integrated a MySQL database, resulting in a 40% reduction in data retrieval time and, enabling real-time reporting and skillset analysis for project resource allocation.

**Project 2:**

* Created a Python-based Job Portal using Django and MySQL, prioritizing a seamless user experience. Empowered hassle-free profile creation and resume submission, while optimizing job searches.
* Implemented powerful HR tools for precise skills-based profile filtering, reducing the time to identify qualified candidates by 60%, and automated candidate alerts, ensuring a streamlined hiring process with strong system security and user-friendly profile management.

**INDUSTRIAL INTERN, BEPEC Solutions Company** May 2020-December 2020 | Vijayawada, India

**Project:**

* Designed and executed a highly effective facial recognition security system for 65 permanent workers.
* Leveraged CNN Algorithm with a testing accuracy of 96.7%. Deployed the system on Raspberry Pi for seamless integration with cameras.

**PROJECTS**

**Fullstack Social Media Application with Auth, Likes, and Dark Mode**  March 2023 - July 2023

* Pioneered the development of a responsive social media platform with the MERN stack, introducing distinctive user authentication, real-time likes, and a customizable Dark Mode option.
* Innovated by designing and coding unique user authentication methods for enhanced security. Innovatively incorporated Entity-Relationship Diagrams (ERD) in the data modeling process, enhancing the application's structural design and scalability.

**Building a Search Engine** January 2023-March 2023

* Employed Lucene and Faiss indexing techniques to create a TV show tweet search engine.
* Integrated Django, Python, HTML, and CSS to develop an interactive user interface for query input and previewing pertinent tweets retrieved through PyLucene and Faiss (BERT), resulting in a 30% faster search response time.
* Established a user-friendly web-page for the search engine.

**Responsive Portfolio Website (<https://priyaprathapaneni.github.io/>)** January 2023-February 2023

* Crafted a fully responsive portfolio website using a combination of HTML, CSS, JavaScript, and Bootstrap 5.

**Building Employee Management Systems** October 2022-December 2022

* Built a complete Employee Management System with React and Node, including database setup, JWT authentication, and data encryption.
* Demonstrated full-stack development expertise in creating a feature-rich web app with Axios integration and robust routing.

**Attention Mechanism for Facial Expression Recognition**  August 2021-September 2021

* Leveraged LBP (Local binary patterns) and Attention mechanism for detecting facial expressions. Attention given on eyebrows, mouth, and eyes.
* Improved performance by 4% higher than previous model (SVM classifier) for JAFFE data-set. Also, enhanced accuracy up-to 2% higher compared to the previous model for the FER 2013 data-set.

**CERTIFICATIONS**

* Achieved a Meta Front-end developer Professional Certificate on Coursera.
* Completed a global certification course in Artificial Intelligence and Data Science through Simplilearn.
* Earned coursera certifications in IBM Data Science, Statistics with Python, Machine Learning.