# PRASANNA KUMAR K

+91 7204020633 | 29prasannakumar@gmail.com | Bengaluru, Karnataka | linkedin.com/in/prasanna-kumar-k524278236

## SUMMARY

Result – oriented **Graduate Student** in AI and Machine Learning specializing in the domains of AI, ML, and Data Science, showcasing a solid foundation in cutting-edge technologies and methodologies.

## EDUCATION

**Jyothy Institute of Technology** CGPA: 7.1 **present**
B.E. Artificial Intelligence and Machine Learning

## SKILLS

| | |
|---|---|
| **Programming Language** | Java, Python |
| **IDE** | Jupyter Notebook, Spyder, PyCharm, Android Studio, NetBeans |
| **Libraries** | NumPy, Pandas, TensorFlow, Seaborn, Matplotlib, SKLearn |
| **Query Language** | SQL |
| **Others** | Data Analysis, Data Visualization, Excel, Word, PowerPoint, Microsoft Power BI. |

## INTERNSHIPS

**Enterprise Building Training Solutions** **08/2023 - 09/2023**

- Led the development of the "AI Image Generator" project, utilizing OpenAI's GPT-3 to turn creative ideas into visually compelling artworks with a user-friendly design and customizable features.
- Delivered performance meeting expectations, actively contributing to the project's successful completion.

## PROJECTS

**Pharmacy database management system** **10/2023-11/2023**

- Leading the design and development of a software application for pharmacy sales management.
- Primary objective: Automating and streamlining pharmacy processes to enhance overall customer experience.
- Technology Stack: XAMPP for backend development; HTML, CSS, and JS for frontend development.

**Blind Assistance system using digital image processing** **10/2023-11/2023**

- Developed an innovative blind assistance system leveraging digital image processing, deep learning, and the YOLOV3 algorithm.
- Implemented real-time image recognition and object detection using OpenCV and Python.
- Incorporated audio feedback to provide essential information, enhancing accessibility for visually impaired individuals.

**Action Detection for Sign Language Using Machine Learning** **04/2023-07/2023**

- Implemented a novel approach for sign language action detection using a deep convolutional neural network.
- Utilized a large dataset of sign language videos for training, enhancing the model's accuracy and robustness.
- Conducted research and made significant contributions to the field of sign language recognition.
- Potential impact: Improving accessibility of sign language for deaf and hard-of-hearing individuals.
- Key Tools: CNN (Convolutional Neural Network), PyTorch, Keras.

## ACHIEVEMENTS

- Published paper "Action Detection for Sign Language Using ML" at NMIT Conference, IEEE (Scopus indexed), introducing a novel ML approach with deep CNN on a large sign language dataset, contributing to advances in sign language recognition and potential for improved accessibility.
- Participate in SIH state-level contest