PRERANA JATTI

+91 8431673600 — jattiprerana@gmail.com — **LinkedIn:** Prerana Jatti — **GitHub:** prerana-03

Summary — Driven and detail-oriented Computer Science student in the 4th year of engineering, specializing in AI/ML and Data Science. Skilled in Python programming, machine learning algorithms, and data analysis, with a proven track record of developing and deploying predictive models. Earned multiple certifications in AI, NLP, and Deep Learning through the Infosys Springboard 5.0 internship program. Eager to leverage my technical expertise and innovative mindset in software development and AI/ML internships to drive impactful solutions.

Skills

Programming Languages C, Python, HTML, JavaScript, AngularJS, CSS, SQL

Tools Technologies Jupyter Notebook, Google Colab

Coursework

UNDERGRADUATE: - Data Structures and Algorithms
-Explored Computer Networks
-Developed skills in Web Development

Work Experience

IoT-Based Project Internship | Vijayapura, India **Oct 2022 – Nov 2022**
Inter/Intra College Internship

- Enhanced sentiment analysis model accuracy by 15% through collaborative machine learning algorithm development.
- Converted induced electromagnetic energy into usable power using an advanced rectifier circuit.

PERSONYFY | Vijayapura, India **July 2022 – Aug 2022**
Internship (Virtual)

- Presented comprehensive findings in virtual team meetings and trained a Convolutional Neural Network (CNN) achieving 92% accuracy for sophisticated image recognition.
- Enhanced sentiment analysis model accuracy by 15% through collaborative machine learning algorithm development.

Education

BLDEA'S Dr. P. G. Halakatti College of Engineering & Technology
Bachelor of Engineering in Computer Science & Engineering (AI and ML) **CGPA: 8.8 / 10**
2021 - Present | Vijayapura, India

Excellent PU Science College
Pre-University Course (PUC) **Percentage: 84.33%**
March 2020 | Vijayapura, India

B.D.E.S Girls High School
Secondary School Leaving Certificate (SSLC) **Percentage: 84.33%**
April 2018 | Vijayapura, India

Projects

PET FACE CLASSIFICATION | *Python, Jupyter Notebook, Keras, Machine Learning*

- Trained a highly accurate model using a dataset of approximately 7,000 images of various dog and cat breeds.
- Optimized performance by leveraging computer networks for seamless data exchange, enhancing accuracy.
- Developed advanced face recognition models, significantly improving pet breed identification accuracy by 40%.

TEXT CLASSIFICATION USING TENSORFLOW | *Python, TensorFlow, Keras, Jupyter Notebook, Machine Learning*

- Loaded the IMDB dataset and split it into training, validation, and test sets.
- Prepared batches of training examples and labels.
- Built a TensorFlow Sequential model using a pre-trained text embedding layer from TensorFlow Hub, followed by two dense layers. • Compiled the model using the Adam optimizer and binary cross-entropy loss.
- Trained the model for 25 epochs, with validation on a separate validation dataset.

CRIMINAL DATABSE MANAGEMENT SYSTEM| *HTML, CSS, JavaScript, PHP, MySQL, Web Server (XAMPP, Apache*

- Utilized robust database technologies and security measures to ensure data confidentiality, integrity, and availability, adhering to legal and ethical standards.
- Managed and secured a MySQL database to efficiently store and retrieve criminal records.

Certification

- Python Programming for Everyone (Certified by University of Michigan).

Achievements

- Secured **Second Place** at "AI TECHEXCELLENCIA 2K24" Mini Project Exhibition for Developing an Early Stage Parkinson Disease Prediction Project.