

# Krishnaprasad R

+91 8330859663 | krishnaprasadr666@gmail.com | linkedin.com/in/krishnaprasad-kp019/ | github.com/Kp019

## SUMMARY

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Recent graduate from Mar Athanasius College of Engineering with a Bachelor's degree in Technology specializing in Electronics and Communication Engineering. Experienced in developing web applications using the MERN stack, with proficiency in UI/UX design and hosting platforms like Bluehost and godaddy. A dedicated volunteer with a track record of organizing and leading impactful events in technology and open-source communities. Passionate about leveraging technology to solve real-world challenges and committed to continuous learning and professional growth.

## TECHNICAL SKILLS

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**Programming Languages:** Python, C, JavaScript, HTML, CSS, MATLAB, mysql, Java

**Frameworks & Libraries:** React.js, Node.js, Express.js, Next.js, Numpy, Pandas, Scikit-learn, Tensorflow, Django, Tkinter, SCSS, Tailwind CSS, Bootstrap

**Tools:** Git, GitHub, MongoDB, Photoshop, Figma, Illustrator, Appwrite, mysql workbench, Blender

## PROJECTS

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### Hotel Booking Platform using MERN Stack

Jun 2024 – Present

*MERN Stack Application*

*React.js, Express.js, Node.js, SCSS, MongoDB*

- Full-Stack Development: Proficient in leveraging the MERN stack to develop comprehensive web applications, spanning frontend, backend, and database management.
- UI/UX Design and Styling: Expertise in using SCSS for custom styling, responsive design, and interactive elements, improving user experience and application aesthetics.
- Database Management: Designed and optimized MongoDB schemas for efficient data storage and retrieval, crucial for a booking platform's operational efficiency.

### Image Generation using EEG Signals

Sept 2023 – May 2024

*Machine Learning Project*

*Python, TensorFlow, Scikit-learn, Pandas*

- Implemented a system to generate images from EEG signals using machine learning techniques, focusing on the K-Nearest Neighbors (KNN) algorithm for its ability to classify and generate images based on EEG data patterns.
- Utilized Python for data preprocessing, feature extraction, and model development, integrating TensorFlow for neural network implementations and scikit-learn for KNN model building.
- Collaborated with a multidisciplinary team to integrate Open BCI tools for real-time EEG data acquisition, demonstrating adaptability in utilizing diverse technologies for project goals.

### Chat Application using MERN Stack

Jan 2024 – March 2024

*MERN Stack Application*

*React.js, Express.js, Node.js, Tailwind CSS, MongoDB*

- Full-Stack Development: Proficient in developing scalable web applications using the MERN stack, encompassing frontend (React.js), backend (Node.js, Express.js), and database (MongoDB) components.
- Real-Time Communication: Experience in implementing WebSocket technology (Socket.io) for real-time messaging and notifications, enhancing user engagement and application responsiveness.
- UI/UX Design: Skilled in utilizing Tailwind CSS for designing intuitive and aesthetically pleasing user interfaces, optimizing user experience and application performance.

### Image Generation from Prompt using Hugging Face API

Oct 2023 – Jan 2024

*Tkinter application*

*Python, Tkinter, NLP, Hugging Face*

- GUI Development: Proficient in creating interactive GUI applications using tkinter, enhancing user experience and functionality.
- API Integration: Experience in integrating third-party APIs (Hugging Face) for model deployment and fine-tuning, demonstrating adaptability in leveraging external resources.
- Project Management: Successfully managed the development lifecycle from design to implementation, ensuring timely delivery and meeting project requirements.

## EXPERIENCE

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### MERN Stack Developer

Feb 2024 – Jun 2024

*I-Impact*

*Kochi, Kerala*

- Developed and deployed scalable web applications using the MERN stack (MongoDB, Express.js, React.js, Node.js) on Bluehost for reliable hosting and performance optimization.
- Managed domain registration and hosting configurations on Bluehost, ensuring seamless deployment and up time of web applications.
- Implemented RESTful APIs and integrated third-party services to enhance application functionality and user experience.
- Conducted rigorous testing and debugging to maintain application integrity and performance standards.

### UI/UX Designer

April 2023 – Oct 2023

*Redpositive Services*

*Remote*

- Created user-centered designs for web applications, focusing on intuitive navigation and engaging user interfaces.
- Utilized design tools such as Adobe XD and Figma to prototype and refine UI designs based on usability principles and user feedback.
- Conducted usability testing and gathered user feedback to iteratively improve design solutions. Maintained design consistency and adhered to brand guidelines in all UI/UX design deliverables.

## EDUCATION

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### Mar Athanasius College of Engineering

Ernakulam, India

*BTech. in Electronics and Communication Engineering*

*Dec 2020 – Jun 2024*

- Experienced in analog and digital circuit design, PCB layout, schematic capture and troubleshooting.
- Proven ability to design and develop embedded software and firmware in C, Java, etc.
- Experienced in using MATLAB and Simulink for system simulation and analysis.

## CERTIFICATIONS

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- Full Stack Web Development - Udemy
- Product Design Job simulation Certificate - Accenture
- Cyber Security Job simulation Certificate - JPMorgan Chase & Co.
- Introduction to Data Science - IBM
- Python Basics for Data Science - IBM
- Introduction to AI/ML using Python - Udemy

## VOLUNTEERING EXPERIENCE

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- **Web Lead, TEDx MACE (Nov 2023 to Feb 2024).**
- **FOSS Cell Head, NetX MACE (Nov 2022 to Jan 2024).**
- **Event Lead, .hack(); '23 - Hackathon (May 2023 to Sept 2023).**
- **Event Lead, enFOSS - FOSS Conclave (Jan 2023 to March 2023).**
- **Electronics and Communication Coordinator, IEEE MACE SB (Jan 2022 to Feb 2023).**
- **Design Committee Head, NetX MACE (Sept 2021 to Oct 2022).**