

PRAJWAL KUMAR

Mangaluru, Karnataka

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EDUCATION

Shree Devi Institute of Technology, Kenjar

B.Tech - Mechanical Engineering - Percentage - 64.5

2013 – 2017

Mangaluru, Karnataka

COURSEWORK / SKILLS

- Front-end Development
- Computer Networks
- DBMS
- Operating Systems
- Software Engineering

EXPERIENCE

Junior Research Fellow at National Institute of Technology, Karnataka 🔗 **December 2023 - Present**

Role - Software Developer

Surathkal, Mangaluru

- Created over more than 25+ virtual laboratory experiments utilizing **HTML, CSS and JavaScript** to enhance practical education accessibility within NITK's Virtual Lab ecosystem at the Center for System Design.
- Revamped the existing template by designing and implementing a completely new front-end layout, enhancing user experience and interface functionality.
- Develop a User-friendly question and answer platform with essential features.
- Implemented user authentication, search functionality, and a voting system for ranking answers.

Intern at National Institute of Technology, Karnataka 🔗

September 2023 - October 2023

Role - Software Developer

Surathkal, Mangaluru

- Successfully applied theoretical knowledge to develop responsive front-end solutions for web applications during the internship, delivering measurable results.
- By leveraging best coding practices and adhering to industry standards, ensured the development of responsive and interactive user interfaces, effectively translating concepts into practical solutions.

Procurement executive at Al Tasnim Enterprises limited, Oman 🔗 **December 2018 - October 2022**

Role - Procurement

Surathkal, Mangaluru

- Managed procurement processes for IT hardware, software, MEP materials and services, ensuring timely acquisition and delivery.
- Researched markets and evaluated vendors to find cost-effective IT solutions.
- Enhanced procurement efficiency, ensuring timely acquisition of IT resources through strategic vendor evaluations and streamlined processes, optimizing organizational costs.

Plant Maintenance Coordinator at BASF India limited 🔗

July 2017 - August 2018

Role - Maintenance Coordinator

Kana, Mangaluru

- Optimized maintenance to boost efficiency, cut downtime, and reduce costs

PROJECTS

Smart Vision - YOLO-Based Object Detection Image Classification 🔗 | Opencv, Python **2023**

- Developed an advanced object detection and image classification system using YOLO, enabling real-time recognition of objects such as vehicles, pedestrians, traffic signs, and household items with high accuracy. The impact of this system was significant in enhancing real-time decision-making for automation and security applications.

NeuroBot - Discord AI Assistant with Neuralink Integration 🔗 | Discord, Neuralink API **2023**

- Built an intelligent Discord bot leveraging Neuralink-powered deep learning for seamless human-computer interaction.

Music Application | [\(ReactJs , Tailwind CSS.\)](#), IDE - VS Code

2023-2024

- Built an offline music app using React.js for seamless and engaging playback.
- Designed and developed the front-end, implementing features like playlist creation, search functionality.
- Delivered a user-friendly offline music playback platform, boosting accessibility.

Netflix Front Page Clone | [Html , CSS, JavaScript.](#)

2023

- Implemented responsive design and interactive features, such as navigation menus and carousels, to closely mimic the original Netflix interface.
- Optimized website performance by minimizing load times and enhancing responsiveness, ensuring seamless playback and smooth user interactions.

E-Commerce Web Application | [Html , CSS, JavaScript.](#)

2023-2024

- Implemented features such as a dynamic product catalog, shopping cart functionality, and secure user authentication.
- Enhanced user experience with mobile-first design principles and ensured cross-browser compatibility.

Nike Shoes E-Commerce Website - | [Html , CSS, Javascript.](#)

2022

- Developed a sleek and fully responsive e-commerce website for Nike shoes, ensuring optimal performance across various devices and screen sizes.
- Implemented key features such as a dynamic product catalog, intuitive navigation, and a seamless shopping cart experience to enhance user engagement and satisfaction
- Handle the database and integrated the module with other existing modules.

TECHNICAL SKILLS

Languages: JavaScript, Python, C++,SQL

Technologies/Frameworks: HTML5, CSS3, React, MongoDB, Express, Javascript, NodeJS, Bootstrap, Numpy, TensorFlow, Pytorch, Plotly, AWS, .NET

Developer Tools: VS Code, PyCharm, IntelliJ, Canva

CERTIFICATIONS

- Mern Full-stack development - Jspider (Software development and training center, Bangalore)
- Python - Udemy
- Mastering Artificial Intelligence- Udemy

EXTRACURRICULAR

- Conducted an online workshop on Computer Science Virtual Lab experiments, covering Python programming, Bubble Sort implementation, and Computational Linguistics.