Jayanth Kumar B S

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EDUCATION

R V College Of Engineering — Bengaluru, KA
*Bachelor of Engineering (Computer Science and Engineering) — CGPA: **9.53*** — Dec. 2021 – May 2025

Sir MV PU College — Davangere, KA
*Pre-University Course(PCMC) — KCET: **366*** — Jul. 2019 – Jul. 2021

EXPERIENCE

Project Intern — Sept. 2023 - Feb. 2024
(ATDXT Pvt. Ltd.)

- Led a team of 3 interns, aimed to develop an **Iris Authentication System** that was part of Biometric Vehicle Owner Registration Project.
- Trained Residual Network Model(**ResNet50**) of with iris images of 50 individuals and obtained a **verification accuracy** of around **87%**.
- Compared the performances of **traditional ML models** with ResNet50 and significant improvement was observed in the Recognition.

Programming Tutor — Jul. 2023
(CODING CLUB, RV College Of Engineering)

- Tutored **120+ students** for 3 weeks on various **Computer Science** topics such as **Fundamentals** of C++, Standard Template Library and Object Oriented Programming.
- Held various **Quizzes and Doubt clearing breaks** during course of total tutoring session of **8 hours**, to make the session more interesting.

PROJECTS

<u>Project Management System</u> | *React, MongoDB, Express, Node* — May 2024–Present

- Developing a cutting-edge solution that **streamlines** academic document **submission, review, and approval processes**, significantly enhancing institutional workflow efficiency
- Implementing advanced functionalities including secure user authentication, automated notifications, **real-time document tracking**, and **comprehensive reporting** and analytics, ensuring secure and efficient management of academic documents.

<u>Crop-Connect</u> | *React, MongoDB, Express, Node, MySQL* — Jul. 2023

- An innovative platform connecting native **farmers with buyers**, facilitating the sale and purchase of agricultural products.
- Utilized Retrieval Augmented Generation(**RAG**) for developing a **chatbot** to assist the farmer on his agricultural queries.
- Implemented a machine learning model **predicting crop yields**, **estimated revenue** and **recent price increasing trends** with **85% accuracy**, aiding farmers in decision-making.

<u>Deposit Prognosticator</u> | *Python, Numpy, Pandas, Matplotlib* — Nov. 2022

- Preprocessed the raw data of **13500 users** for analysis using Numpy and Pandas Libraries.
- Harnessed the predictive capabilities of the **Decision Tree Classifier** to identify the customers most likely to convert to term deposits
- Utilized Matplotlib, a versatile **data visualization** library to provide a comprehensive visualization of the model's insights

TECHNICAL SKILLS

Languages: C/C++, Python, JavaScript, HTML/CSS, Java
Frameworks:React, Node.js, Express.js, Bootstrap, REST API, SpringBoot
Developer Tools: Git, VS Code, PyCharm, Matlab, IntelliJ, SpringToolSuite
Libraries:Pandas, NumPy, Matplotlib, Sklearn,