

Krushna Dandge

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PROFESSIONAL SUMMARY

Enthusiastic Computer Science student with extensive practical experience in building websites, apps, and bots across diverse tech stacks. I integrate advanced AI and large language models—both local and cloud-based—into digital products, enabling rapid prototyping and custom solution deployment. Driven by a passion for innovation and the synergy between technology and finance, I constantly update my skills to transform academic insights into impactful, real-world applications.

TECHNICAL SKILLS

Languages: C++ (Proficient), Python, SQL

Web Development: React, HTML, CSS, JavaScript, MongoDB, Node.js, Express.js, APIs

Database: MySQL, MongoDB

Developer Tools: VS Code, Cursor AI, Automation Anywhere, Power BI

Fundamentals: Data Structures and Algorithms, Database Management Systems, Operating Systems, Computer Networks, Machine Learning, Cloud Computing, MERN Stack.

AI & ML: Hands-on experience with large language models, transfer learning, and AI API integration for building intelligent applications.

EDUCATION

Vishwakarma Institute of Information Technology	2021-Present
<i>Bachelor of Technology-, Computer ScienceEngineering (CGPA: 9.08 / 10.00)</i>	Pune, India
Ramkrishna College	2021
<i>HSC(Class XII), Aggregate-91.8%</i>	Sillod, India
Universal Academy	2019
<i>CBSE(Class X), Aggregate-89.2%</i>	Sillod, India

PROJECTS

Dynamic Investment Allocation Tool — Python, React JS, Flask

- * Secured a top 10 position in the **BlackRock Hackathon** with an investment tool that suggests **dynamic investments** allocations based on real-time market conditions using **ESG scores, sentiment, and technical indicators**.
- * Built backend logic with **Python and Flask**, designing a **custom algorithm** for investment allocation to ensure effective and responsive investment management.
- * Created a **React**-based dashboard featuring all kinds of **Indices data, investment risk assessment**, a comprehensive **asset section list**, and a **Market Data** and **News** section covering **commodities, stocks, currencies, and cryptocurrencies**.

Triphala Image Classification — Machine Learning, Transfer Learning, Custom CNN

- * Collaborated with Binghamton University on a sponsored project to classify Triphala components (**Amla, Herda, and Bherda**).
- * Developed a refined dataset of **8,400** high-quality images and enhanced classification accuracy using **transfer learning** and data augmentation techniques.
- * Leveraged **transfer learning** models such as **VGG16, VGG19, and ResNet50**, alongside a **custom CNN model** that achieved the **highest accuracy**, showcasing its superior performance for this task.
- * Designed the solution for **Ayurveda-focused applications**, contributing to **healthcare innovation** by integrating **machine learning** into traditional medicine practices.

QuickRent:Home Rental Platform – React JS, MongoDB, Express, Node JS

- Crafted a home rentals platform with secure **user authentication**, **property creation**, and **dynamic listing management**, enhancing user experience and efficiency.
- Implemented backend using **Node.js**, **Express**, and **MongoDB** with features like category-based feed retrieval, become a host option for **creating and uploading listings**, and secure **JWT** authentication.
- Developed a frontend with **React**, **Redux**, **Sass**, and **Material UI**, supporting efficient property search, wishlist management, and interactive photo handling.

ACHIEVEMENTS

- Successfully selected for the prestigious **Infosys Specialist Programmer (SP) Role**, demonstrating strong technical and problem-solving skills by excelling through multiple evaluation stages.
- Leveraged advanced AI and LLM integration—using tools like **Cursor AI**—to rapidly develop intelligent bots, dynamic websites, and mobile apps, delivering innovative solutions for clients.
- Currently working on research papers in the **finance domain** using **AI**, **ML**, and **DL**, focusing on topics such as **arbitrage detection**, **portfolio management**, and **predictive modeling**.
- Earned the **IBM Full Stack Software Developer Professional Certificate**, completing 12 courses on technologies like React, Node.js, Docker, Kubernetes, Microservices, and Serverless Computing, with cloud deployment experience. [\[View Certificate\]](#)
- Developed an automation bot using **Automation Anywhere** for data filtering and distribution in an **Atlas Copco** industrial project.
- Achieved mastery in Data Structures and Algorithms by solving over **200+** practice questions on **LeetCode**, **Coding Ninjas**, **GFG**, and **InterviewBit**.

POSITION OF RESPONSIBILITY

- As **Joint Publicity Head** for Perception during our cultural fest, spearheaded promotional activities to elevate visibility and engagement.
- As a team leader within various **NSS groups**, I actively engage in numerous events aimed at fostering social impact and contributing to community welfare initiatives.