

KIRAN KUMAR A

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Portfolio: kiran-26-sys.github.io/PortFolio/

Professional Summary

Final-year Computer Science student specializing in Data Science with hands-on project experience in web development, automation, and testing — actively seeking a software engineering role to apply technical and analytical skills in a product-oriented environment.

EDUCATION

New Horizon College of Engineering

2022-2026

B.E in Computer Science Engineering(Data Science)

CGPA:9.27

Current year - 4th year

Relevant Coursework: Software Testing & QA, Data Structures & Algorithms, DBMS, Web Technologies.

Shastry Memorial PU college , Bengaluru

2022

Department of Pre University Board - PCMC

92.2%

New Great international School, Bengaluru

2020

Karnataka State Board

94.4%

Technical Skills

- **Core Concepts:** Data Structures & Algorithms (DSA), Aptitude & Logical Reasoning, Problem Solving, Communication Skills, Team Leadership.
 - **Programming Languages:** C, Python, Java (Basics), C++ (OOP Concepts).
 - **Frontend:** HTML, CSS, JavaScript.
 - **Backend & Database:** SQL.
 - **Frameworks & Libraries:** Flask, React.js, NumPy, Pandas, Matplotlib.
 - **Data Analysis & Tools:** Data Cleaning, Exploratory Data Analysis (EDA), Jupyter Notebook, Tableau for Data Visualization.
 - **Version Control & Deployment:** Git, GitHub, GitHub Pages.
 - **Software Testing:** Manual Testing, Test Case Design, STLC, Bug Life Cycle.
 - **SDLC Knowledge:** Agile, V-model, Waterfall – Requirement Analysis to Deployment.
 - **Automation Tools:** Basic knowledge of Selenium WebDriver for UI testing, Automation Anywhere Software.
 - **Other Tools & Concepts:** Project Documentation.
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Projects

Sports Arena Booking System (*Web Application*)

- Built a full-stack web platform to simplify booking of badminton courts, with integrated **admin panel**, **user authentication**, and **payment features**.
- Designed a clean, user-friendly interface to prevent scheduling conflicts and streamline reservations.
Technologies Used: React.js, JavaScript, HTML, CSS, Firebase (Authentication), Python, MongoDB
- Applied manual testing principles learned in academic coursework to verify functionality. Designed and executed test cases to validate core booking, user auth, and form validation features, ensuring robust user experience.

Smart Attendance Automation Bot

- Developed an intelligent automation bot using Automation Anywhere to streamline student attendance tracking and weekly reporting.

- The bot processes Excel data, schedules tasks, and automates email delivery, significantly improving accuracy and saving manual effort.
- **Key Contributions:** Bot development, task scheduling, Excel integration, email automation.
- **Technologies Used:** Automation Anywhere, Excel, Email Automation, Task Scheduling

E-Commerce Sales Analysis

- Analyzed e-commerce sales data from Kaggle, uncovering trends based on region and platform to support business Decision-making.
- Created visualizations using Python libraries to interpret key insights.
- **Technologies Used:** Python, Pandas, Matplotlib, Seaborn, Jupyter Notebook, Kaggle

Interactive COVID-19 Trends Dashboard (Tableau)

- Explored global COVID-19 datasets with an emphasis on visual storytelling.
- Created interactive Tableau dashboards to depict case trends, regional spread, and progression over time, aiding public health understanding.
- Tools Used: Tableau, Kaggle

Professional Engagement

- **Smart India Hackathon – Round 1 Participant**

Conducted in-depth research on the assigned problem statement, gaining hands-on experience with real-world challenges and practical solution development. Strengthened problem-solving and team collaboration skills in a competitive environment.

- **Publications / Research Work**

Artificial Intelligence in Business: Transformative Applications, Ethical Dilemmas and Future Trajectories

7th National Conference on Innovations in Intelligent Computing Technologies, Communication and Security for Sustainable Development (NCIICSSD 2025) – IEEE Conference | April 2025 | Paper ID: 8

,Presented a review paper exploring the evolving impact of AI in business, addressing real-world applications, ethical implications, and future directions. Gained experience in academic writing, peer review standards, and formal technical presentation

- **Startup Idea Innovation Program – Participant**

Explored the end-to-end structure of startups, including ideation, funding, operations, and business models. Gained valuable insights into how companies are designed and scaled, enhancing my entrepreneurial thinking and strategic planning abilities.

Certifications

- **NPTEL** – Database Management Systems, Data Science for Engineers
 - **IBM** – Machine Learning with Python, Data Science Foundations.
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