

REVANTH D RAMPAL

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CAREER OBJECTIVE

Dedicated to advancing my expertise in data science, I seek to apply machine learning, statistical modeling, and analytical techniques to develop data-driven solutions. Through continuous learning and collaboration, I aspire to drive meaningful impact and innovation in the field.

EDUCATION

2024 2020	● Rajiv Gandhi University of Knowledge Technologies, IIIT RK Valley 8.0/10 (3.2/4.0) Bachelor of Technology in Computer Science and Engineering
2020 2018	● Rajiv Gandhi University of Knowledge Technologies, IIIT RK Valley 7.3/10 (2.92/4.0) Pre University Course(XI and XII)
2018	● St. Marys Public School 10/10 (4.0/4.0) Class X ICSE Board

WORK EXPERIENCE

Research Intern | IISC Bangalore

May 2022 - August 2022

- Conducted in-depth exploration of cellular automata, focusing on alpha-asynchronous cellular automata.
- Simulated the evolution of automata and identified converging rules through a complex program.

TECHNICAL SKILLS

Languages & Skills : Python

Libraries : NumPy, Pandas, Matplotlib, Seaborn, OpenCV

Machine Learning : Scikit-Learn

Technologies : Computer Vision

Web Technologies : HTML, CSS, Bootstrap, JavaScript

Databases : SQL

Operating Systems : Linux, Windows

PUBLICATIONS

Indian Summer School on Cellular Automata

August 29, 2022

- Researched and published a paper on convergence in alpha-asynchronous cellular automata under the mentorship of Souvik Roy.

<https://www.cellularautomata.in/SummerSchool/SummerSchool1/IndianSummerSchool2022.pdf>

COURSES AND CERTIFICATIONS

- **Machine Learning Specialization** Coursera — Stanford Online [link](#)
- **Azure AI Fundamentals** Microsoft — [link](#)

PROJECTS

Capsule | Online Pharmacy System [Link](#)

- Implemented a streamlined ordering and delivery process for an online pharmacy platform, increasing customer convenience by 56% through an extensive selection of medicines.
- featured an extensive product catalog, user-friendly interface, secure transactions, and real-time inventory updates with notifications.
- **Technologies Used:** HTML, CSS, Bootstrap, JavaScript, SQL.

Vehicle Validation using Automatic Number Plate Detection(ANPR) [Link](#)

- Developed a cutting-edge vehicle validation system using Automatic Number Plate Recognition (ANPR), integrating machine learning algorithms that improved recognition accuracy by 30% and bolstered security measures for over 100 vehicles.
- Developed a user-friendly GUI for seamless interaction and optimized performance, enhancing vehicle monitoring, security measures, and operational efficiency.
- **Technologies Used:** Python, Machine Learning, OpenCV, YOLO, Matplotlib, GUI

Digitalization in the field of Medicine -EHR [Link](#)

- Digitized health records through an EHR linked to government APIs for drug verification, enhancing medication management and patient care while ensuring regulatory compliance and data security.
- Utilized OpenCV for facial recognition to accurately identify patients, enhancing the efficiency of health record management in the project.
- **Technologies Used:** Python, OpenCV, Machine Learning, Tkinter, Firebase.

PERSONAL PROJECTS

Haztag India [link](#)

- Conducted analysis of two-wheeler road accidents, identifying causes and proposing solutions while raising awareness to enhance safety measures.
- Designed and produced a custom emergency sticker to enhance safety awareness.

POSITIONS OF RESPONSIBILITY

- **E-Cell, Cell Core Committee Member (Apr '21 - May '23):** Promoted innovation and entrepreneurship among students.
- **NSS, Unit Head (Feb '22 - Oct '23):** Led community service projects, enhancing leadership skills. [Link](#)
- **Film and Media Club, Chief Editor and Colorist (Apr '21 - Jan '24):** Supervised production and visual design of college publications and media.
- **Mission Million English, Team Lead (2020):** Managed initiatives for English education for underprivileged individuals. [Link](#)

ACHIEVEMENT

- **4-Star** rating on CodeChef for problem-solving, **Global Rank 3072** (January 2022).
- **Campus Ambassador** in "TECKZITE" 2019, a National Level Technical Fest. [Link](#)
- **Hackathon Participant**, TECKZITE 2019: Competed in a national-level challenge. [Link](#)
- **1st place** in the All India Essay Writing competition by UNIC

SOFT SKILLS

Languages: • English • Hindi • Nepali • Telugu

Management Skills: Strong Verbal Communication, Project Management, Time Management, Problem Solving

INTERESTS

- Exploring Technologies • Research • Travelling