Rakesh kumar yadav

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SKILLS

- **Programming**: CPP, Python, C, Java
- **Frameworks**: HTML and CSS, NumPy, Pandas, Matplotlib/Seaborn
- **Tools/Platforms**: Ms-Excel, Git & GitHub, Linux, Power-Bi
- **Soft Skills**: Team Player, Communication, Responsibility & Ownership
- **Languages Known**: English, Hindi, Kannada, Telugu

PROJECTS

- **Expense Tracker & Analyzer using supervised machine learning |** github — Mar–Apr 2025

  Developed a Python-based system to analyze and classify user expenses using ML models.
  Performed data cleaning, encoding, and visualizations, and trained Random Forest,
  Logistic Regression, and SVM models—achieving **97.5% accuracy**
  with Random Forest. Extracted feature insights to identify spending patterns and
  support smarter budgeting.
  Tech: Python, Pandas, NumPy, Matplotlib, Seaborn, scikit-learn

- **Marriage trends in India – Creative dashboard using Ms-excel |** github — Apr-May 2025

  Spearheaded development of an interactive dashboard uncovering marriages & divorces across India.
  Cleaned and structured demographic data for accurate trend analysis. Visualized
  patterns by age, gender, region, religion, and time using charts & heatmaps. Delivered
  insights on urban–rural differences, rising divorce trends, and inter-religious marriage patterns.
  Tech: Microsoft Excel, PivotTables

- **Medico – Medical Appointment scheduling Platform** — Nov-Dec 2023

  Contributed to a responsive web application that allows users to book medical appointments from
  any location. Implemented an intuitive user interface to browse doctors, view available timings,
  and request appointments. Added form validations and dynamic interactions using JavaScript for
  smoother user experience. Designed clean front-end layouts using HTML & CSS to ensure
  accessibility and easy navigation.
  Tech: HTML, CSS, JavaScript

CERTIFICATIONS & COURSES

- AWS machine learning specialty. | Link — Nov 2025
- Oracle certified professional - OCI Gen-AI. | Link — Oct 2025
- Oracle certified - OCI foundations associate. | Link — Oct 2025
- Coursera - networking models and computer architecture course. | Link — Nov 2024
- Infosys – Introduction to python. | Link — Feb 2024
- Infosys - Build Generative AI Apps and Solutions with No-Code Tools. | Link — Aug 2025

ACHIEVEMENTS

- **Successfully completed hands-on workshop on CyberSecurity** — April 2024

  Symposium 2.0,North India's Largest Cyber Security conference. Link

- **Winner of championship running event -- 100m & 400m.** — Oct 2021

  1st Winning team in college volleyball Inter-Hostel Tournament. — Mar 2024

EDUCATION

- **Lovely Professional University** — Punjab, India
  *Bachelor of Technology - Computer Science and Engineering; **CGPA: 7.0*** — *August 2023 - Present*

- **Jindal Pre-university College** — Bellari, Banglore
  *Intermediate; **Percentage: 78*** — *April 2020 - March 2022*

- **Jindal Adarsh Vidyalaya** — Bellari, Banglore
  *Matriculation; **Percentage: 74*** — *April 2019 - March 2020*