






Radhika Singhal

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Profile

Motivated BTech student specializing in Computer and Communication Engineering with a strong foundation in data science, machine learning, and AI. Interested in applying technical skills in algorithm design and machine learning to solve complex problems and contribute to innovative business solutions. Currently seeking internship opportunities to further enhance my expertise and impact.

Projects

- **MedStream (2024)**
Developed a real-time hospital bed availability tracker using Node.js and Leaflet.js. Integrated location-based SOS features and prioritized patient queues for emergencies. [GitHub](#)
- **Hospitality Domain Data Analysis (2024)**
Conducted data analysis and predictive modeling on a large hospitality dataset. Utilized Python (Pandas, Matplotlib, Seaborn) for data wrangling and visualization, and machine learning for customer segmentation and demand forecasting. [GitHub](#)
- **Expense Tracking System (2024)**
Developed a web-based expense tracker using Python Flask, SQLite, and Bootstrap. Integrated data visualization features with Plotly to show user spending patterns. [GitHub](#)

Skills

- **Programming Languages:** C, Python, Java, JavaScript (beginner)
- **Web Development:** HTML, CSS, Flask
- **Data Science Tools:** TensorFlow, PyTorch, NumPy, Pandas, Matplotlib
- **Machine Learning Techniques:** Supervised/Unsupervised Learning, Reinforcement Learning, Neural Networks, NLP
- **Version Control:** Git, GitHub
- **Design Tools:** Canva, Figma
- **Soft Skills:** Analytical Thinking, Teamwork, Communication, Adaptability

Experience

- **Technical Head**
Cyber Space Club, MUJ 06/2024 - Present
 - Lead technical initiatives and cybersecurity strategies, driving innovation and enhancing member engagement.
 - Conducted workshops and coordinated technical activities for skill development.

- **Graphic Designer**
Youth Empowerment Society (Remote) 03/2023 - 06/2024
 - Designed multiple graphic design projects with an emphasis on creating visually engaging content.
 - Designed promotional materials such as pamphlets and posters using Canva.
- **Digital Marketing Intern**
Self-Managed Brands (Remote) 08/2020 - 01/2021
 - Managed social media for self-created brands, including content scheduling and audience engagement.
 - Analyzed performance data to optimize content strategy.

Online Courses & Certifications

- Python for Data Science, AI Development (**Nov 2024**) - [Coursera](#)
- Design and Analysis of Algorithms (**March 2024**)- [NPTEL](#)
- Switching, Routing, and Wireless Essentials (**April 2024**) - [Cisco](#)
- Introduction to Networks (**March 2024**) - [Cisco](#)
- Database Management System (**March 2024**) - [NPTEL](#)

Education

- **Manipal University Jaipur, Rajasthan**
Bachelor of Technology in Computer and Communication Engineering 2022 - 2026 (Expected)
 - **Current CGPA:** 9.88
 - **Key Coursework:** Data Structures and Algorithms, Computer Networks, Operating Systems, Object-Oriented Programming, Database Management Systems, Design and Analysis of Algorithms, Foundations of Data Science, Cryptography and Security Techniques
- **Shiv Jyoti Senior Secondary School, Kota, Rajasthan**
Senior Secondary Education (Science - Mathematics) 2019 - 2020
 - **Achieved:** 89.60
- **Gurukul English Medium School, Balotra, Rajasthan**
Primary and Secondary Education, Rajasthan Board of Secondary Education (RBSE) 2006 - 2018
 - **Achieved:** 91.33

Languages

- Hindi
- English (Native)
- Rajasthani