

Milan Singhal

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Education

UPES, Dehradun

Bachelor of Technology (Computer Science & Engineering)

CGPA : 8

Dehradun, Uttarakhand

Aug 2022 - Sep 2026

Projects

Task Nexus

Feb 2024 - May 2024

- Coded a web app for users to boost productivity, integrating Google Meet for scheduling and Discord for team communication. engaging and user-friendly interface that enhances user productivity by 30%.
- Engineered a responsive web application by integrating web technology for front-end development.
- Implemented XAMPP backend support with APIs resulting in streamlined data management for 100+ users

Algo Mate

Sept 2024 - Dec 2024

- Crafted an algorithm suggestion system to optimize data structure and algorithm selection.
- Created a comprehensive dataset of approximately 450 labeled problem descriptions for robust training and validation.
- Operated on natural language processing (NLP) for efficient text preprocessing and employed decision tree algorithms for accurate classification and recommendations.
- Developed sophisticated machine learning models using Python and designed an engaging interactive user interface for real-time user interaction.

Kitch Sync

Upcoming 2025

- Implementing an advanced web application featuring a unified dashboard that consolidates 3 delivery platforms, resulting in streamlined productivity for over 500 users through enhanced data visibility and navigation ease.
- Completely visualized the UI design and are now transitioning to backend development, where we will integrate a cloud database to improve the dashboard and ensure efficient order management across 3+ delivery platforms.
- Our tech stack includes Figma for user interface design, with HTML, CSS, and JavaScript enabling front-end development, achieving a 30% improvement in load speed. Cloud services powering our backend, ensuring scalability and performance to handle over approximately 1000 daily orders.

Internship

Anshula Seva Sansthan - (NGO)

Summer Intern

Jodhpur, Rajasthan

Jun 2023 - Jul 2023

- Directed educational and health initiatives, benefiting 50+ underprivileged children, positively impacting their development.
- Assisted the development of two software solutions that optimized processes, enhancing educational outcomes for participating children.
- Participated in 4 outreach initiatives (Led them), raising community awareness and increasing support for the NGO's mission

Cosmo Fleet - (Startup)

Robotics Intern

Jodhpur, Rajasthan

Jun 2024 - Jul 2024

- Conducted in-depth research on robotic arms, exploring over 20 distinct applications and use cases.
- Produced comprehensive documentation and delivered 5+ presentations, effectively articulating technical concepts to diverse audiences, including both technical and non-technical stakeholders.
- Authored a research paper titled "Mars Colonization," analyzing key factors in space exploration, and facilitated the integration of AI-driven enhancements, achieving a 30% increase in the efficiency and performance of robotic operations.

Quality AI - (Startup)

Machine Learning Intern

Dehradun, Uttarakhand

Jan 2025 - Apr 2025

- Leading the development and implementation of machine learning models, focusing on enhancing predictive accuracy and model performance.
- Analyzing and interpreting complex data sets to derive actionable insights that inform decision-making processes.

Accomplishments & Recognition

- Had been a part of OC of International Conference on Machine Learning and Data Science (ICMLDE) 3.0
- Achieved 1st position in the IBM Poster Presentation Competition.
- Recognized as Best CSR Member for 2022-23 by UPES ACM for my commitment to community service.
- Held roles as Design Lead for UPES (ACM & ACM-W, IET, NBSP).
- Hacktoberfest participants in 2022,2024.

Skills

- **AIML:** Data Analysis , Machine learning
- **Programming Languages:** Java, Python
- **Data Structures and Algorithms (DSA),** Networking
- **Version Control:** Git, GitHub
- **Static Designing:** Adobe Photoshop, Illustrator
- **Development:** FIGMA, Web Development