ABHINAV VARSHNEY

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EDUCATION

B.Tech CSE, Jaypee University Of Engineering and Technology, Guna, India   2022 - 2026
GPA: 7.9

Class 12th (CBSE) and Class 10th (CBSE), RRK Sr. Sec. School, Chandausi, India   2019 - 2021
Class 12th Percentage: 91.6, Class 10th Percentage: 86.8

SKILLS SUMMARY

Programming Languages: Python, C, C++

Data Science: Scikit-Learn, TensorFlow, Feature Engineering, NLP

Testing and Databases Selenium, Web Scraping, MySQL

SoftSkills: Problem-Solving, Critical Thinking, Communication, Teamwork &Leadership

EXPERIENCE

Data Science Intern   (03/2025 - 04/2025)
Unified Mentor(Remote)

- Applied data visualization techniques to derive actionable insights.
- Used Python, scikit-learn, and Pandas to improve prediction accuracy.
- Collaborated remotely with senior mentors on ML pipeline optimization.

Data Science Intern   (04/2025 - 05/2025)
NullClass (Remote)

- Streamlined end-to-end ML workflows by integrating preprocessing, training, and evaluation pipelines using industry best practices.
- Leveraged advanced Python libraries to extract trends and optimize predictive outcomes from structured datasets.

PROJECTS

AI Powered Career Coach   Link

- Developed an AI-driven career guidance web app using Streamlit, LangChain, and Gemini Pro, offering tech career planning assistance across domains like Data Science and Frontend.
- Integrated domain-specific AI chatbot, ATS-based resume analyzer, and OCR-powered visual roadmap interpreter for personalized mentoring.
- Engineered a modular architecture with separate components for chatbot logic, resume parsing, roadmap extraction, and a clean Streamlit-based frontend.

Jyotishi   Link

- *Jyotishi*, a Streamlit-based astrology web app that automates Kundali (birth chart) generation using Selenium and Python, scraping real-time data from AstroSage.com.
- Integrated 8 core astrological modules including Mangal Dosh, Kal Sarpa Dosh, Dasha Analysis, and Numerology, with chart summarization for user-friendly insights.
- Delivered a deployable solution with a clean Streamlit UI and Selenium backend, enabling both local and web-based use for end-to-end astrology analysis.

AI Fitness Trainer   Link

- Developed a real-time fitness posture analysis system using MediaPipe and OpenCV with support for multiple exercises including pushups, squats, and bicep curls.
- Deployed an interactive video-based application enabling live rep-counting and form evaluation

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ACHIEVEMENTS

- Organized 3 university-level *Codeathon* events for junior batches, promoting competitive programming culture .

- Serving as Deputy Secretary of Bitwise, the premier technical club of Jaypee University Conducted over 30+ coding sessions across 4 semesters, mentoring peers in DSA, problem solving and Data Science.

- Co-authored a book chapter titled "Technology in Education for People with Disabilities", accepted in a Scopus-indexed book series under the guidance of Dr. K. B. Meena and Prof. Vipin Tyagi.

CERTIFICATIONS & COURSES

Hands on Computer Vision (Link) **| NLP for ML with Python** (Link)