

ARYADEEP VARSHNEY

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OBJECTIVE

Aspiring **Software Engineer** and passionate **Computer Science undergraduate** with foundations in **Data Structures, Algorithms, and Machine Learning**. Skilled in **full-stack development, system design, and problem-solving**. Seeking opportunities to contribute by applying expertise in **AI engineering and real-world software solutions**.

TECHNICAL SKILLS

Programming Languages: Java, Python, JavaScript, SQL, HTML5/CSS3

Frameworks & Libraries: React.js, Flask, Hugging Face Transformers, Scikit-learn, NumPy, Pandas, Matplotlib

Developer Tools: Git/GitHub, RESTful APIs, Jupyter Notebook, VS Code

Core Competencies: Data Structures & Algorithms, Object-Oriented Programming (OOP), Machine Learning, System Design Fundamentals

EXPERIENCE

AI Model Trainer | Outlier.ai

Dec'24 – Feb'25

- Optimized AI prompts improving LLM **response quality by 90%**, enhancing accuracy, clarity, and creativity.
- Designed **high-quality annotated datasets**, strengthening ML pipelines and ensuring robust model retraining.
- Conducted rigorous **evaluation of model outputs**, identifying edge cases and improving overall system reliability.

EDUCATION

Pranveer Singh Institute of Technology, Kanpur

2022 – 2026

B.Tech in Computer Science | CGPA: 7.5

St. Joseph's Sr. Sec. School, Kanpur

2019 – 2021

12th: 82% | 10th: 84%

PROJECTS

CureGenix AI (Python, Flask, ML, Scikit-learn, Bootstrap) [🔗](#)

June'25-Aug'25

- Built an **end-to-end disease prediction & recommendation system** integrating Flask backend and Scikit-learn ML pipeline.
- Trained and optimized models (SVM, Random Forest, Gradient Boosting) achieving up to **95% classification accuracy**.
- Engineered **REST APIs for real-time inference**, delivering personalized **medicines, precautions, and diet plans**.
- Designed **modular, scalable architecture** ensuring low latency predictions and seamless integration with external apps.

InfoSnap (Python, Flask, Transformers, OCR) [🔗](#)

Jun'25-Jul'25

- Developed an AI-powered **document summarization platform** using BART-large-CNN with OCR (PyTesseract, PDFPlumber).
- Delivered advanced features: **multi-length summaries**, multilingual translation (15+), secure shareable links, and PDF export.
- Deployed **full-stack responsive web app** (Flask + Bootstrap) on Render with **real-time document workflow automation**.
- Enhanced user experience with **dark mode, mobile optimization, and collaboration features**.

AlgoSpark (TypeScript, React.Js, ShadCN, Sonner) [🔗](#)

Apr'25-May'25

- Developed an **interactive platform** for visualizing core Data Structures and Algorithms, implementing **sorting and searching techniques** with planned extensions for **advanced concepts** in future enhancements.
- Designed a modern responsive UI with ShadCN, including **dark mode, animations, and smooth navigation**.
- Implemented a **modular system architecture** enabling scalable integration of upcoming algorithm modules.

CERTIFICATIONS

- Probability & Statistics for ML - DeepLearning.AI [🔗](#) 2025
- AgentBlazer Champion-SalesForce [🔗](#) 2024
- Google AI Essentials - Coursera [🔗](#) 2024
- DSA in Java - CodeChef [🔗](#) 2024

ACHIEVEMENTS

- Competitive Programming:** Solved 500+ problems across LeetCode, CodeChef, HackerRank.
- Flipkart Grid 5.0:** Qualified Round 1 among 90k+ participants.
- Leadership:** Led and coordinated a team of 20+ members as Department Co-Head at Ignitia 2025 Tech Fest.
- Sports:** Represented college in zonal-level athletics & football competitions.