

Vikashini G

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Professional Summary

Aspiring Software Engineer & Data/AI Specialist with hands-on experience in building ML models (up to 88% accuracy), real-time computer vision (~95% accuracy), and data analysis pipelines using Python, Pandas, and SQL. Strong knowledge of DSA (arrays, strings, trees, dynamic programming) and experience with end-to-end data workflows. Skilled in Git, version control, and eager to contribute to scalable AI and software engineering solutions. Strong academic record (9.07 CGPA, department topper) with proven hackathon achievements.

Education

B.Tech Artificial Intelligence and Data Science - AAA College of Engineering and Technology, Sivakasi |
CGPA: 9.07 (Dept. Topper, Scholarship)
Class XII - Tamil Nadu Board | 95.6% (2022)
Class X - Tamil Nadu Board | 96% (2020)

Technical Skills

Programming: Python, Java, SQL, HTML, CSS
Data & AI Tools: Pandas, NumPy, Scikit-learn, OpenCV, Matplotlib, Seaborn
Software & Systems: Git, Linux, Excel
Learning: Tableau/Power BI, AWS Cloud, Advanced DSA

Internship Experience

Data Science Intern – Astroweb Solutions (Jun 2025 – Jul 2025)
- Performed data cleaning, preprocessing, and EDA on real datasets.
- Built classification and regression models achieving actionable insights.
- Generated reports and dashboards to support decision-making.
- Collaborated with mentors to learn end-to-end data science workflow.

Projects

Face Detection (Jul 2025 – Aug 2025)
- Real-time application using Haar Cascade and DNN (~95% accuracy).
- Implemented webcam-based live detection; optimized for performance.

Employee Turnover Prediction (Jun 2025)
- ML model on HR dataset (10k+ rows) with Random Forest & XGBoost (~88% accuracy).
- Insights visualized via dashboards to support HR retention strategies.

AI-Driven Network Fault Detection & Self-Healing (May 2025)
- Detected network issues (packet loss, latency) in simulated environment.
- Designed self-healing mechanism for reliability.

Awards & Achievements

- Department Topper (B.Tech AI & DS, CGPA 9.07)
- Secured Runner-up position in NASA Hackathon; won cash prize
- Awarded scholarship for academic excellence