

ASWINK J

AIML Undergraduate

Email: aswinkj2006@gmail.com | Mobile: +91 9072239871 | [LinkedIn](#) | [GitHub](#) | [Portfolio](#) | Coimbatore, India

SUMMARY

AIML Undergraduate specializing in end-to-end ML pipelines, cloud infrastructure (**Azure/Oracle Certified**), and RESTful APIs. **Multi-hackathon winner** and **strong algorithmic problem solver**. Proficient in **Python, Java**, and **TensorFlow**. Proven **leader** in technical event management, seeking an **AI/ML Engineering internship** to architect scalable, production-ready AI systems.

WORK EXPERIENCE

AIML/DA Intern | LabMentix EdTech | Remote | July 2025 - Dec 2025 - [Link](#)

- Engineered deep learning pipelines using TensorFlow and EfficientNetB0 transfer learning, integrating MLflow for rigorous MLOps experiment tracking and hyperparameter versioning.
- Architected and deployed real-time predictive analytics inference dashboards using Streamlit, seamlessly bridging backend machine learning logic with interactive web applications.

Full Stack Web Development Intern | Pantech Organization | Remote | Nov 2024 - Feb 2025 - [Link](#)

- Developed and deployed a responsive, interactive web portfolio (Capstone) using HTML, CSS, and JavaScript, ensuring cross-browser compatibility and optimized DOM manipulation.
- Integrated AI-driven generative tools to accelerate UI/UX design workflows and streamline frontend asset generation.

EDUCATION

- B. TECH in ARTIFICIAL INTELLIGENCE & MACHINE LEARNING**

CGPA : 9.24/10 (**Department 1st Rank**) | SNS College of Technology | Coimbatore, India | Present

- HIGHER EDUCATION | Xth | XIIth**

School Head Boy | The Oxford School | Trivandrum, India | March 2022 - March 2024

PROJECTS

- V2C : Voice to Code AI Assistant | 1st Place, Hack Hive 2025 - [Link](#)**
 - Architected a voice-to-code translation Flask backend with the Gemini API, optimizing natural language parsing for low-latency, multi-language code generation.
 - Engineered a zero-click, voice-driven development state machine integrating the Web Speech API with custom audio heuristics for visually impaired accessibility.
 - Automated repository provisioning and version control pipelines using the GitHub REST API for dynamic multi-file packaging
- Exoplanet AI | NASA Space Apps Challenge - [Link](#)**
 - Engineered a 5-model deep learning ensemble (CNN, LSTM, Bi-Attention, RF, Hybrid) achieving 94.1% accuracy and 97.8% AUC on NASA Kepler/TESS photometry data.
 - Built a Flask inference backend with a time-series preprocessing pipeline, delivering sub-200ms predictions using 20+ extracted spectral features.
 - Developed a Plotly web dashboard for live light curve simulations, dynamic transit generation, and real-time model comparisons.
- DocSense AI | KPRIET DevSpark Hackathon - [Link](#)**
 - Engineered a DeepSeek LLM hybrid pipeline auto-categorizing 9+ document types with heuristic fallback logic.
 - Built a spaCy NER and regex-driven PII redaction engine securing sensitive compliance data (Aadhaar, PAN, IFSC).
 - Designed a REST API integrating Tesseract OCR and LLM risk-scoring for contract evaluation and financial extraction.
- STACS : Smart Timetable Automation | SIH 2025 - [Link](#)**
 - Engineered a constraint-satisfaction timetable engine using Google OR-Tools to resolve multi-department scheduling conflicts, optimizing both hard classroom limits and soft pedagogical preferences.
 - Architected a Flask REST API with an automated clash-detection workflow, generating 3 distinct optimal schedule permutations per run while managing real-time cross-department substitutions.

SKILLS & LANGUAGES

- Languages & Core CS:** Python, Java, C, SQL, Data Structures & Algorithms (DSA), OOP
- AI/ML Frameworks:** TensorFlow, Scikit-Learn, MLflow, EfficientNetB0, Pandas, NumPy
- Web & Cloud:** Flask, Streamlit, HTML/CSS/JS, MS Azure (AI-900), Oracle Cloud (OCI)
- Tools:** Git/GitHub, Tableau, PowerBI
- Leadership Roles :** Dept. Coordinator - Texperia 2026 (National Level Tech Symposium) | Executive Member - IEEE, Gennuera

ACHIEVEMENTS & CERTIFICATIONS

- Certifications:** [Microsoft Azure AI Fundamentals \(AI-900\)](#), [Oracle Certified AI Foundations Associate](#), [NPTEL Programming with Generative AI](#), [AWS Job Simulation](#), [NIT-T GenAI Workshop](#)
- Solved **200+** DSA Problems on Leetcode - [Link](#)
- 2x Winner** @ SPARK Robotics Competition, ACE College of Engineering, Trivandrum
- Winner of Codexia and CodeSprint Hackathons** @ SNS Institutions.