Abhinav Awasthi ⬈

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Summary

AIML Developer with **3+ years** of academic experience working on **web applications** and **AIML projects**. Comfortable using tools and frameworks such as React.js, Next.js, Flask, TensorFlow, and Scikit-learn. Automated tasks using AIML that improved user interaction and system performance across several projects.

Education

- **Bachelor of Technology, Computer Science (Expected 2026)**   GPA: 8.20/10.0 (Till 5th Semester)
  Pranveer Singh Institute of Technology, Kanpur
- **Senior Secondary (XII), Science (2022)**   Percentage: 79.82%
  Rani Laxmi Bai Memorial School, Lucknow

Experience

- **Full Stack Web Developer Intern (DecodeDaddy)** ⬈   Jun 2023 – Aug 2023
  SJSV Ventures Pvt Ltd
  - Built **interactive landing page** elements, improving user engagement and helping reduce bounce rates.
  - Developed over **10 backend APIs** using MongoDB to support data flow across modules.

Projects

- **Travel Planner AI** ⬈ (Jan 2025 – Feb 2025)   *FastAPI, LangChain, LLaMA3*
  - Generated full itineraries using **LLaMA3 via LangChain**, based on user inputs (budget, location, days).
  - Fetched and formatted real-time flight data using **SerpAPI** and displayed results in a clean interface.
  - Designed a **chatbot** to answer follow-up questions with a **90%+ query resolution rate**.

- **LLM-Powered AI Agent** ⬈ (Oct 2024 – Nov 2024)   *Python, Hugging Face, smolagents*
  - Integrated **Qwen2.5-Coder-32B-Instruct** for complex reasoning, text generation, and tool use in a modular flow.
  - Utilized **smolagents** for modular planning and tool chaining across multiple user queries.
  - Optimized inference latency and response quality within **Hugging Face Spaces environment**.

- **DecodeDaddy (Landing Page)** ⬈ (Jun 2023 – Aug 2023)   *NextJS, Node, JavaScript, MongoDB, Express.js*
  - Created a responsive landing page using **NextJS and HTML Canvas** tools and features.
  - Built backend endpoints using **MongoDB and Express.js** to simulate user authentication processes.
  - Deployed full-stack application using Render with **production-ready routes and API integration**.

- **Machine Learning Projects** ⬈ (Aug 2024 - Current)   *Python, Scikit-learn, NumPy, Matplotlib*
  - Built predictive models using **logistic regression, decision trees, and SVMs** with accuracy ranging from **80% to 90%**.
  - Applied **hyperparameter tuning, model validation (cross-validation), and performance metrics** like confusion matrix.
  - Focused on improving **model generalization through iterative experimentation** and testing.

Skills

Languages: Python, Java, C++, JavaScript, SQL, NoSQL (MongoDB)
Frameworks & Tools: TensorFlow, Scikit-learn, Flask, FastAPI, Git, Postman, Langchain, Next.js, React.js
Data Science & ML: Deep Learning, Inference Optimization, Feature Engineering, Hyperparameter Tuning
Coursework: Data Structures & Algorithms, Statistical Analysis, OOP, Linear Algebra, Operating System

Achievements

- Cleared the **1st Round** of TCS CodeVita season 12 - 2024⬈ with All India Ranking of **3218**
- Published a survey paper titled **Mathematics and Logics in ML** in IEEE SCEECS 2024⬈.
- Solved **650+** problems and Ranked in the top **11%** with **1700+ rating** on **LeetCode**⬈.
- Achieved **5** stars in DSA-Problems Solving at **HackerRank**⬈.

Certifications & Trainings ⬈

- **Machine Learning with Python** - freeCodeCamp   2024
- **AI Agents** - HuggingFace   2025
- **React.js**, **JavaScript** - Infosys Springboard   2025
- **Fundamentals of Quantum Computing** - The Coding School   2021