

Alok Yadav

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CAREER OBJECTIVE

Final-year Computer Science student with AI internship experience at Infosys Springboard seeking an entry-level role in Software Engineering or AI. Strong in problem-solving with a passion for building impactful solutions, eager to learn and grow in a fast-paced tech environment.

EDUCATION

Bachelor of Technology, Computer Science	2022– 2026
Pranveer Singh Institute of Technology, Kanpur	GPA: 6.1/10.0
SeniorSecondary (XII), Science	2020 – 2021
Kendriya Vidyalaya, Kanpur	Percentage: 70%

EXPERIENCE

Infosys Springboard – Virtual Internship

Sep 2025 – Nov 2025

Role: AI Intern | **Tech Stack:** Python, spaCy, Sentence-Transformers, NetworkX, PyVis, Streamlit.

- Built **KnowMap**, an AI-driven system that extracts key concepts across domains using **NLP** and **Sentence-Transformer** embeddings.
- Created an interactive cross-domain knowledge graph using **NetworkX** + **PyVis** with similarity-based concept linking.
- Integrated all modules into a **Streamlit** app deployed via **Ngrok**, enabling live exploration of multi-domain knowledge relationships.

PROJECTS

Greenhouse Tracker

Feb 2026 – Mar 2026

Role: Full Stack Developer | **Tech Stack:** React, Node.js, Express.js, MongoDB, JWT, Groq API

- Built an AI-powered job tracking platform with **REST APIs** for authentication, application management, and analytics.
- Developed a responsive **React** dashboard with real-time insights and data visualizations.
- Integrated **LLM APIs** for resume analysis and cover letter generation, optimizing **MongoDB** queries for better performance.

Blackbox Recruiter – AI Resume Analyzer

Jan 2026

Role: Full Stack Developer | **Tech Stack:** React, Groq API (Llama 3.3 70B), Tailwind CSS, Vercel

- Built an **AI-powered resume screening system** using Llama 3.3 70B for JD matching and ATS optimization.
- Implemented **prompt engineering with structured JSON outputs** for sub-3s real-time analysis.
- Developed and deployed a **full-stack React application** with PDF/TXT uploads on **Vercel**.

Glaucoma Detection Model

Apr 2024 – Jun 2024

Role: Machine Learning Developer | **Tech Stack:** Python, PyTorch, ViT-B16, OpenCV, Google Colab

- Developed a **ViT-based** glaucoma classifier achieving **90%+** accuracy.
- Improved preprocessing (**CLAHE** + normalization) to reduce false positives.
- Utilized **TPU acceleration** to cut training time from hours to under 30 minutes.

TECHNICAL SKILL

- Languages:** C++, C, Python, JavaScript, Java
- Frameworks/Tools:** Node.js, React, Flask, Git, Postman, Jupyter, Tkinter, Matplotlib, NumPy, Pandas, Hugging Face Transformers, PyTorch, TensorFlow, LLM, REST API
- Databases:** MySQL, MongoDB
- Core Concepts:** Data Structures and Algorithms, Operating System, OOP, Problem Solving
- DevOps:** CI/CD Pipeline

ACHIEVEMENTS

Certificates

- [Coursera – Supervised ML](#)
- [Google – The Bits and Bytes of Computer Networking, Intro to Generative AI, Agile Essentials](#)
- [Microsoft - AI agent fundamentals with Azure AI Foundry](#)
- [Salesforce –Agentblazer Champion](#)
- [Oracle Cloud Infrastructure AI Foundations Associate](#)

Contests & Hackathons

- 5-Star C++** Problem Solver on [HackerRank](#) | Completed **400+** Coding Challenges on [LeetCode](#)
- Scored 90.12 percentile (Top 10% nationwide) in Litmus pH Test assessing Problem Solving, Quantitative.