

ABHISHEK KUMAR SINGH

Aspiring AIML Engineer

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PROFESSIONAL SUMMARY

Computer Science graduate with hands-on experience in **Applied Artificial Intelligence, Machine Learning, and Full-Stack Development**. Proficient in developing **AI-powered applications** utilizing Python, TensorFlow, Keras, Scikit-learn, Flask, Streamlit, Pandas, and NumPy.

PROJECTS

Explainable Product Recommendation System

Dec 2025

- Engineered a **Recommendation System** using **Python, Pandas, NumPy, Scikit-learn, Flask, Streamlit, HTML, and CSS** to improve user engagement through tailored content suggestions.

Technologies / Tools Used : Python, Pandas, NumPy, Scikit-learn, Flask, Streamlit, HTML, CSS

Deep Learning for Relative Stock Prediction

Feb 2026

- Developed a **web application** using **Streamlit** for analyzing historical stock market data and predicting stock prices through **deep learning** techniques.
- Enhanced user experience by providing interactivity and transparency, enabling users to visualize data, configure model parameters, train an **Artificial Neural Network (ANN)**, and analyze model performance without requiring extensive coding experience.

Technologies / Tools Used : Python, Streamlit, TensorFlow, Keras, Pandas, Scikit-learn, Plotly

Multimodal Generative AI for Clinical Note Summarization

May 2026

- Developed a **multimodal generative AI framework** for **clinical note summarization**, automating the processing of complex clinical documentation. Integrated **large language models (LLMs)** with vision-language encoders to analyze **textual clinical notes** and associated medical images, including radiology scans and pathology slides, yielding concise and clinically relevant summaries

Technologies Used: Multimodal AI, Clinical NLP, Note Summarization, Large Language Models, Healthcare Informatics, GPT, Vision-Language Models

EDUCATIONS

Quantum University | Roorkee

Sep 2022 - Jun 2026

B. Tech in Computer Science and Engineering

CGPA : 7.1

SKILLS

Databases :	MySQL, MongoDB, DynamoDB, Firebase, PostgreSQL
Frameworks & Libraries :	HTML, CSS, JavaScript, React, Next.js, FastAPI, Tailwind CSS, Node.js
Languages :	Hindi, English
Programming Languages :	C, C++, Python, JavaScript, SQL
Soft Skills :	Adaptability, Teamwork, Stakeholder Management, Problem Solving
Tools & Platforms :	Git Hub, Git, CI/CD, Jira, Docker, GitHub, Linux

WORK EXPERIENCE

Web Development Intern | Internship

Aug 2024 - Oct 2024

Octanet Services

Remote

- Developed responsive web applications using HTML5, CSS3, and JavaScript following software engineering best practices
- Collaborated in Agile development environments and participated in code reviews and project discussions.
- Utilized Git version control for efficient team collaboration and source code management
- Delivered maintainable and user-focused solutions while improving debugging and problem-solving skills.

Technologies / Skills Used : HTML5, CSS3, JavaScript, Git

CERTIFICATIONS

- Published** a research paper titled **Bridging the Future: 5G and Artificial Intelligence** in the **International Journal of Scientific Research and Engineering Trends**.
- Completed** the course **Introduction to Prompt Engineering for Generative AI** through LinkedIn Learning.
- Certified** in Oracle Academy's **Database Design Program** and **Database Foundation Program**.
- Obtained **Professional Software Engineering Master Certification (PSEMC)** from JPMorganChase&Co.

ACHIEVEMENTS & VOLUNTEERING EXPERIENCES

- Secured 5th Place** as a team among the Top 25 Finalists from over 400 teams in the QubitX 2025 National Hackathon, organized by GL BAJAJ Group of Institutions, Mathura.
- Actively competed** in the DSCI-NASSCOM EY Cybersecurity Hackathon in New Delhi for two consecutive editions.
- Served as a Student Coordinator** for the Corporate Resource Centre (CRC) Cell at the college.
- Volunteered** with the College Club Pahal-Ek Nanha Kadam, focusing on the educational and mental development of rural children, receiving **Appreciation Certificates**.