

Abhishree Panwar

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PROFESSIONAL SUMMARY

Computer Science (AI/ML) undergraduate at UPES with hands-on experience in machine learning, NLP, deep learning, and full-stack development. Built production-grade AI applications achieving 92%+ model accuracy. Proficient in Python, Flask, React, and cloud-integrated databases. Seeking to contribute to impactful ML and software engineering projects.

EDUCATION

University of Petroleum and Energy Studies (UPES) *Dehradun, Uttarakhand*
B.Tech, Computer Science & Engineering (AI/ML) | CGPA: 7.6 / 10.0 *2023 - 2027*

TECHNICAL SKILLS

Languages: Python, Java, C, JavaScript
ML / AI: Machine learning, deep learning, NLP, DistilBERT, HuggingFace Transformers, Scikit-learn, NLTK, spaCy, TF-IDF, feature engineering, predictive modeling
Web & Backend: Flask, REST APIs, React.js, Streamlit, Spring, Servlets, HTML5, CSS3
Databases: MySQL, MongoDB, Firebase Firestore
Tools & Concepts: Git, GitHub, Postman, OOP, DSA, Agile/SDLC, API integration, software engineering

WORK EXPERIENCE

Skillbit – Java Development Intern *Remote, India | Jul - Aug 2025*

- Engineered Java-JDBC backend modules supporting 20+ CRUD operations and optimized SQL queries, improving performance by 30%.
- Diagnosed and resolved 15+ defects through systematic testing and debugging prior to deployment.
- Delivered 5+ backend features within Agile sprint cycles, consistently meeting project deadlines.

PROJECTS

IDEACT – Intelligent SDG-Oriented Project Advisor | React, Flask, MongoDB, NLP, machine learning

- Architected an AI-powered SDG recommendation platform; constructed a labelled dataset of 5,000+ records from 104 sources across 9 domains for multi-class classification.
- Applied TF-IDF, spaCy, and semantic similarity to classify records across 17 SDGs; integrated 10+ REST API endpoints for chatbot and recommendation workflows.

SkillSync – AI-Driven Career Guidance Platform | Flask, React, Streamlit, OpenAI API

- Designed a resume analysis engine evaluating 50+ skills; generated personalized learning pathways and AI-powered interview feedback in under 5 seconds.
- Built an analytics dashboard visualizing 50+ skill indicators and career readiness metrics.

Fake News Detection System | DistilBERT, HuggingFace, Streamlit

- Fine-tuned DistilBERT on 10,000+ articles for binary text classification; achieved 92% accuracy with optimized precision, recall, and F1-score.
- Deployed real-time Streamlit interface with confidence scoring; reduced prediction latency by 35%.

GuideMitra – Mentorship Platform | Flask, React, Firebase, REST APIs

- Built role-based mentorship platform with secure Firebase Authentication and real-time Firestore sync across 2 user roles and 4 platform modules; received 15+ positive user feedback responses.

CERTIFICATIONS & ACHIEVEMENTS

McKinsey Forward Program – Problem solving, communication & digital readiness
Full Stack Web Development Bootcamp – Udemy
AI/ML Training – Pregrad (Netflix Recommender System project)