Rishabh Kumar

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LinkedIn Profile · GitHub Profile

Profile Summary

Aspiring Computer Science and Engineering student passionate about AI, Deep Learning, and research-driven development. Strong proficiency in Python, PyTorch, TensorFlow, and quick implementation of research papers. Eager to contribute to cutting-edge projects involving foundational models, LLMs, and recommender systems.

Education

Bachelor of Technology in Computer Science Engineering   **Expected: 2026**
KL University, Vijayawada, India
CGPA: 9.00 / 10.00
Relevant Coursework: Machine Learning, Deep Learning, Recommender Systems, NLP, Algorithms

Diploma   **2023**
Birsa Institute of Technology (Trust), Ranchi, India
Percentage: 71.1%

Secondary School Certificate   **2017**
New Era Public School, Munger, India
Percentage: 80%

Technical Skills

- **Programming Languages:** Python, C, Java

- **Deep Learning Frameworks:** PyTorch, TensorFlow, Keras

- **Tools and Libraries:** NumPy, Pandas, Scikit-learn, SQL

- **Concepts:** LLMs, Transformers, Foundational Models, Recommender Systems, CNN, RNN

- **Other Tools:** Git, Jupyter Notebook, VS Code

Projects

Grocery Management System
Technologies used in project: Python, Django, scikit-learn, React.js, MySQL, Firebase Cloud Messaging, AWS EC2.
Objective: Developed a scalable, AI-powered Grocery Management System to automate inventory tracking, predict stock shortages using machine learning, and optimize order placement, ensuring real-time monitoring and efficient resource management.

AI Advisor Chatbot for Personalized Assistance
Technologies used in project: Python, Huggingface Transformers (DistilBERT/GPT-2), FastAPI, React.js, Firebase, AWS EC2.
Objective: Designed and developed an AI-powered conversational chatbot capable of delivering personalized advice across finance, education, and career fields using advanced transformer-based NLP models. The system ensures context-aware, real-time responses, enhances user engagement, and supports scalability through cloud deployment and database integration.

ATS Score Checker Using Machine Learning
Technologies used in project: Python, scikit-learn, XGBoost, Flask, React.js, AWS EC2.
Objective: Built a machine learning-based ATS (Applicant Tracking System) score checker that predicts resume compatibility with job descriptions by extracting and classifying features using NLP techniques, helping users optimize their resumes for better shortlisting chances.

Slot Booking System for Salon and Manicure/Pedicure Services
Technologies used in project: Node.js, Express.js, React.js, MongoDB, AWS S3, Docker.
Objective: Developed a full-stack slot booking system tailored for salon and spa businesses, allowing users to schedule appointments for manicure, pedicure, and beauty services. Integrated real-time slot availability management, secure payments, and admin dashboards to improve customer satisfaction and reduce booking conflicts.

Experience

AI-ML Virtual Internship — Google-AICTE   **Jul 2024 – Sep 2024**
- Implemented ML models on real-world datasets during virtual internship.
- Gained hands-on experience in Deep Learning models and their applications.

Web Development Intern — Prodigy InfoTech   **Jun 2024**
- Developed dynamic web applications using modern frameworks.
- Built responsive designs and backend integrations for real-world projects.

Research Papers

Leveraging Artificial Intelligence and Machine Learning for Personalized Financial Advisory: A Hybrid Approach for Informed Investment Decisions
Published (IEEE) 2024.

Certifications

- Deep Learning Specialization — Andrew Ng (Coursera)

- PyTorch for Deep Learning — Coursera

- Coursera: UX Design Specialization - Coursera

- Salesforce AI Associate - Global Certificate

Achievements

- Selected among Top 5 Teams in IDE Bootcamp Edition 2, AICTE + Wadhwani Foundation

- Key Organizer for Smart India Hackathon 2023 and 2024 at KL University

- Led Regional ICC Meet 2023 with 200+ participants

- Won the **Smartathon** Hackathon at St. Joseph College, Chennai