

NIKHIL BANSAL

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EDUCATION

Chandigarh University, Punjab	2021-2025
Bachelor of Engineering CSE (Hons.) AIML - 8.04 CGPA	
MGN Public School, Kapurtala	2020-2021
Intermediate (CBSE Board) - 83.4%	
MGN Public School, Kapurtala	2018-2019
Matriculation (CBSE Board) - 88.6%	

WORK EXPERIENCE

Nokia (Automation Intern)	August 2024 – May 2025 Noida
<ul style="list-style-type: none">Contributed to the successful completion of 44/60 CMG delivery for the <i>Bharti Airtel Project</i> using PAC Tools, earning recognition and reward for seamless dedication and flawless execution.Designed a secure multi-user management system on GitLab, ensuring code privacy, seamless collaboration, and optimized deployment through integrated CI/CD workflows.Developed CMG automation, significantly reducing manual effort—tasks that previously took several days for 50+ sites can now be completed in just a few hours.Implemented CMM automation, optimizing workflows to enhance efficiency—what earlier required many days for one site can now be done for 24 sites in approximately 2 hours.Technologies Used: Python, Git, Gitlab, CI/CD, Dockers, Kubernetes, Putty, Wireshark.	
Avkalan (AI Intern)	February 2024 - April 2024 Remote
<ul style="list-style-type: none">Gained in-depth knowledge of Generative AI concepts and techniques, focusing on Retrieval-Augmented Generation (RAG) methodologies, achieving a 30% improvement in response accuracy.Designed and developed a Generative AI-based chatbot utilizing RAG, processing over 10,000+ queries and improving response relevance by 40% through efficient retrieval and generation mechanisms.Conducted research on AI tools and frameworks, optimizing the performance of the chatbot, leading to a 50% reduction in latency while handling real-time user queries.Strengthened skills in natural language processing (NLP) and AI model development, contributing to innovative problem solving in conversational AI, successfully increasing user engagement by 60%.	

PROJECTS

MCQ Generator	
<ul style="list-style-type: none">Developed a tool that generates multiple-choice questions (MCQs) from PDF or Word documents, allowing users to set difficulty levels.Integrated Gemini API as the LLM backend to process prompts and extract questions relevant to the document content.Utilized LangChain to optimize prompt engineering and manage interactions with the LLM, ensuring accurate and contextually appropriate question generation.Enhanced usability by creating an intuitive interface for users to upload files and configure difficulty settings.	
Image Description Generator	
<ul style="list-style-type: none">Developed a model integrating Computer Vision and NLP to analyze images and generate textual descriptions.Used CNNs for feature extraction and RNNs for sequence generation.Trained and optimized models with TensorFlow and Keras, achieving high descriptive precision.Applied transfer learning with pre-trained models like InceptionV3 and ResNet to enhance performance.	

SKILLS

Programming Languages	Python, Java, C++, C, Java Script
Technologies	Machine Learning, Deep Learning, Natural Language Processing, LLM, GenerativeAI, Hugging Face, Langchain, Flask, MySQL, MongoDB
Developer Tools	Git, GitHub, Docker, CI/CD, Linux, AWS

CERTIFICATIONS

CNS L3 AI/ML and GenAI R24 Certification Exam	<i>Nokia</i>	March 2025
Git and GitHub: Working with Git Repositories	<i>Nokia</i>	Aug 2024
Generative AI with Large Language Models	<i>Coursera</i>	Feb 2024