

# ANKIT KOLHE

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## EDUCATION

<b>Shri Ramdeobaba College of Engineering and Management</b> B.Tech. Computer Science(Artificial Intelligence And Machine Learning) <i>GPA: 9.51</i>	Nagpur Aug 2023 - July 2027
<b>Shri Shivaji Science College</b> HSC <i>GPA: 81%</i>	Nagpur Aug 2020 - July 2022
<b>Bharti Krishna Vidya Vihar</b> SSC <i>GPA: 98.6%</i>	Nagpur April 2010 - May 2020

## SKILLS

Programming Languages:	C++, Python, JavaScript
Framework and Libraries:	React.js, Node.js, Django
Databases:	MS SQL Server, MongoDB, PostgreSQL
DevOps & Tools:	Git/Github, Docker
Machine Learning:	TensorFlow, Pytorch, Natural Language Processing, Fine-tuning LLM, RAG

## PROJECTS

<b>Sumy-Sumarise</b> <i>Python, NLP, Streamlit, scikit-learn</i>	<a href="https://sumarise-nlp.streamlit.app/">https://sumarise-nlp.streamlit.app/</a>
Built an NLP-based news summarization system using Latent Semantic Analysis (LSA) and sentiment analysis, reducing article length according to user's convenience while retaining >85% key information. Designed a complete pipeline (parsing, tokenization, stemming, LSA) that processed 100+ articles with remarkable accuracy.	
<b>DrowsyMe</b> <i>Python, MongoDB, Streamlit, scikit-learn</i>	<a href="https://drowsyme.streamlit.app/">https://drowsyme.streamlit.app/</a>
Developed a real-time drowsiness and gaze tracking web app using Streamlit, OpenCV, dlib, and MediaPipe, enabling live EAR-based detection and gaze monitoring (center/left/right/down). Built user/admin dashboards to log and analyze 10+ session metrics, improving exam/meeting monitoring efficiency by 60% with automated alerts and detailed attention reports.	
<b>Real-Time Cryptocurrency ETL Pipeline</b> <i>Python, Kafka, Docker, MongoDB</i>	<a href="https://github.com/AnkitKolhe149/data_engineering_2025">https://github.com/AnkitKolhe149/data_engineering_2025</a>
Applied Pipeline Engineering to design a real-time data pipeline using Python, Apache Kafka, and Docker to monitor cryptocurrency prices. Configured a local distributed environment to ingest live data from the CoinGecko API, utilizing a decoupled producer-consumer architecture. Successfully processed and stored financial metrics into MongoDB, demonstrating hands-on expertise in message queuing, containerization, and NoSQL database integration.	

## WORK EXPERIENCE

<b>Technical Club , RBU</b> <i>3D Modelling And Animation Lead</i>	Nagpur Nov 2024 - Present
<ul style="list-style-type: none"><li>• Collaboration and Coordination</li><li>• Timely Delivery of Content</li></ul>	

## AWARDS AND CERTIFICATIONS

<b>AWS Cloud Foundations</b> Tools: EC2, IAM, Lambda, S3	AWS Academy June 2025
<b>AWS Machine Learning Foundations</b> Tools - SageMaker, Rekognition, Comprehend, Polly	AWS Academy May 2025
<b>Introduction to Machine Learning</b> Supervised, Unsupervised and Reinforcement Learning	NPTEL Nov 2025
<b>Introduction to Large Language Models</b> RAG, Pre-trained Model Optimization, NLP, Embedding, Decoding	NPTEL Nov 2025