

Yashasvi Shukla

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EDUCATION

KIET Group of Institutions <i>Master of Technology in Computer Science and Engineering</i>	2024 – 2026 <i>Delhi-NCR, Ghaziabad</i>
RKGIT, Ghaziabad <i>Bachelor of Technology in Computer Science and Engineering</i>	2019 – 2023 <i>Delhi-NCR, Ghaziabad</i>
Lucknow Public Schools and Colleges, Sahara States <i>Secondary and Senior Secondary Schooling</i>	2007 – 2019 <i>Lucknow, Uttar Pradesh</i>

PROJECTS

CodeForge - Distributed Coding Platform <i>React, Node.js, Express, MongoDB, Docker</i>	
<ul style="list-style-type: none">Designed and built a full stack distributed coding platform with user authentication, problem management, and submission evaluationImplemented a secure code execution pipeline using Docker-based sandboxing to safely run user submitted code against test casesBuilt real-time, submission history, playlist creation, Judge0 API integrationArchitected backend services for problem CRUD, test case validation, and scalable judging workflows	
Resume Intelligence Platform <i>Python, NLP, FastAPI, Scikit-learn, Postgres</i>	Ongoing
<ul style="list-style-type: none">Developing an AI driven platform to parse resumes and match candidates to job descriptions using NLP-based similarity scoringImplemented resume parsing pipelines to extract structured information such as skills, experience, and educationBuilt ATS-style keyword analysis and ranking engine to score resumes against job requirementsExposed ML inference pipelines via REST APIs for real-time resume evaluation	
ModelForge - AutoML and MLOps Platform <i>Python, MLflow, Docker, AWS, FastAPI</i>	Ongoing
<ul style="list-style-type: none">Building a production grade MLOps platform to train, track, and deploy machine learning models end-to-endIntegrated MLflow for experiment tracking, model versioning, and artifact managementDesigned automated training pipelines supporting for multiple Machine Learning algorithms and hyperparameter configurationsContainerized model serving APIs using Docker and deployed models on AWS infrastructure	

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL
Backend & Frontend: FastAPI, Node.js, Express, React, REST APIs, JWT Auth, HTML, CSS
Machine Learning & AI: RAG, NLP, Feature Engineering, LLMs
Databases: MySQL, MongoDB, PostgreSQL
Cloud & DevOps: AWS, Docker, CI/CD (GitHub Actions)
Developer Tools: Git, Linux, VS Code, Postman

ACHIEVEMENTS & PROBLEM SOLVING

- Solved 100+ Data Structures and Algorithms problems on LeetCode and practiced consistently on Codeforces, focusing on optimized solutions and complexity analysis
- Integrated Judge0 API into CodeForge for secure, multi-language code execution, automated evaluation, and verdict generation
- Authored a research paper titled “*Reinforcement Learning for Memory Management in Language Model Agents*”, studying RL-based policies for memory storage and retrieval in LLM systems
- Built and experimented with Kaggle notebooks implementing end-to-end ML pipelines; actively play chess, applying strategic and analytical thinking