Yashasvi Shukla

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EDUCATION

KIET Group of Institutions   2024 – 2026
Master of Technology in Computer Science and Engineering   *Delhi-NCR, Ghaziabad*

RKGIT, Ghaziabad   2019 – 2023
Bachelor of Technology in Computer Science and Engineering   *Delhi-NCR, Ghaziabad*

Lucknow Public Schools and Colleges, Sahara States   2007 – 2019
Secondary and Senior Secondary Schooling   *Lucknow, Uttar Pradesh*

PROJECTS

CodeForge – Distributed Coding Platform | *React, Node.js, Express, MongoDB, Docker*
- Designed and built a full-stack distributed coding platform with user authentication, problem management, and submission evaluation
- Implemented a secure code execution pipeline using Docker-based sandboxing to safely run user-submitted code against test cases
- Built real-time leaderboards, submission history, and verdict pipelines to simulate contest-style environments
- Architected backend services for problem CRUD, test case validation, and scalable judging workflows

Resume Intelligence Platform | *Python, NLP, FastAPI, Scikit-learn, Postgres*   Ongoing
- Developing an AI-driven platform to parse resumes and match candidates to job descriptions using NLP-based similarity scoring
- Implemented resume parsing pipelines to extract structured information such as skills, experience, and education
- Built ATS-style keyword analysis and ranking engine to score resumes against job requirements
- Exposed ML inference pipelines via REST APIs for real-time resume evaluation

AutoML MLOps Platform | *Python, MLflow, Docker, AWS, FastAPI*   Ongoing
- Building a production-grade MLOps platform to train, track, and deploy machine learning models end-to-end
- Integrated MLflow for experiment tracking, model versioning, and artifact management
- Designed automated training pipelines supporting for multiple Machine Learning algorithms and hyperparameter configurations
- Containerized model serving APIs using Docker and deployed models on AWS infrastructure

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL, Bash
Backend & Frontend: FastAPI, Node.js, Express, React, REST APIs, JWT Authentication, HTML, CSS, JavaScript
Machine Learning & AI: Scikit-learn, NLP, Feature Engineering, Model Evaluation, Similarity Scoring
MLOps: MLflow, Model Versioning, Experiment Tracking, Model Deployment
Databases: PostgreSQL, MongoDB
Cloud & DevOps: AWS (EC2, S3), 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