Anurag Pandey

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SKILLS SUMMARY

- **Languages**: Java, JavaScript, SQL
- **Frameworks**: HTML and CSS, MERN Stack
- **Tools/Platforms**: SQL, Excel, Tableau
- **Soft Skills**: Problem-Solving Skills, Adaptability, Quick Learner

PROJECTS

SkillSpark: AI-Powered Job Matching Platform — May' 2025- Jul' 2025

- Engineered a full-stack job matching platform using the MERN stack (MongoDB, Express.js, React, Node.js) and a Python Flask microservice for ML tasks. The application supports three distinct user roles (Student, Recruiter, Admin) through tailored, role-based dashboards and functionalities.
- Developed a robust RESTful API with **over 45 endpoints** across **7 core modules** (auth, jobs, applications, etc.). Implemented a secure authentication system using **JSON Web Tokens (JWT)** and custom middleware to enforce role-based access control (RBAC).
- Implemented a sophisticated ML pipeline to analyze and match candidates with jobs. This includes an NLP-based resume parser (using **Python and spaCy**) that extracts data from a predefined list of **over 180 skills** and a job recommendation model using **TF-IDF and cosine similarity** that achieved a tested **80% accuracy** in matching candidates to relevant roles. Enhanced security by utilizing the **Fisher-Yates shuffle algorithm** to randomize character order for stronger passwords.
- Built a dynamic frontend with **React**, featuring **3 role-based dashboards** and a library of **over 25 reusable components**. Developed complex features including job management boards, applicant tracking systems, and data visualization for platform analytics.

Bangalore Housing Price Prediction — Apr' 2025-May 2025

- Developed a full-stack price prediction application, from data cleaning and model training in a Jupyter Notebook to deploying the model via a Python Flask backend and building an interactive HTML, CSS, and JavaScript frontend for user interaction.Integrated automatic location detection and a search feature for weather conditions in different cities worldwide
- Implemented a comprehensive data preprocessing pipeline using Pandas and NumPy, which included handling missing values, standardizing mixed data types in the total_sqft column, and creating a price_per_sqft feature to identify and remove outliers, improving dataset quality for model training.Optimized performance by utilizing session storage to store user coordinates for a seamless user experience
- Trained a **Linear Regression** model using Scikit-learn to predict housing prices based on location, square footage, and the number of bedrooms/bathrooms. The final model was exported as a. pickle file for efficient use in a production environment.
- Built a lightweight RESTful API with **Flask** to serve the trained model. The API exposes endpoints to get location names and predict prices, successfully connecting the machine learning model to a user-facing web application.

SUMMER TRAINING

Board Infinity | LPU — Jun ' 2024-Aug ' 2024

- Developed an efficient Library Management System in C++ using advanced algorithms and data structures, optimizing library processes. Strengthened C++ skills through rigorous testing and debugging.
- Tech stacks used: C++ Programming Language and DSA

CERTIFICATIONS

- Cloud Computing | NPTEL — Oct' 2024
- Excel | Coursera — Apr' 2024
- R Programming | Coursera — Mar' 2024
- C++ with DSA | Board Infinity — Jul' 2023
- Web Development | LinkedIn — Feb' 2023

ACHIEVEMENTS

- **Solved 400+ Programming Question on LeetCode:** — Sep' 2024- May'2025
  Question solved of Data Structures and Algorithm using java
- **One among Dean's top 10% students at University:** — Jul' 2024-Apr' 2025
  For good academic performance and extra-curricular activities at university

EDUCATION

- **Lovely Professional University** — Phagwara-Punjab
  Bachelor of Technology - Computer Science and Engineering; CGPA: 8.37 — Pursuing
- **Saraswati Vidya Mandir (SVM)** — Sultanpur, Uttar-Pradesh
  Intermediate; Percentage: 85% — Apr '2018- Mar ' 2020
- **K N I C E** — Sultanpur, Uttar-Pradesh
  Matriculation; Percentage: 87% — Apr ' 2016 - Mar ' 2018