

PRANJUL PAL

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EDUCATION

Madan Mohan Malaviya University of Technology

Gorakhpur | Jul 2019 – Jul 2023

B.Tech in Electrical Engineering (Grade 7.17/10)

Relevant modules: Programming, Web Technology, Database Management Systems, SQL, Engineering Mathematics

Kendriya Vidyalaya Forest Research Institute

Dehradun | March 2018 – March 2019

Science (Percentage 78.6/100)

Relevant modules: Built foundational knowledge in HTML, C++ Programming, and Computer Basics

PROFESSIONAL EXPERIENCE

Coingeit Technology - LegalTech Product Company

Noida | April 2024 – Present

Python Developer

- Streamlined captcha processing workflows by leveraging OCR tools like Tesseract to accurately solve and process captcha images, reducing manual effort by 80%
- Integrated APIs from third-party systems such as Income Tax APIs, Aadhaar-based digital signing, and GST billing systems, enabling seamless compliance and legal document processing for lawyers and judges
- Developed and integrated 300+ APIs for fetching and organizing case details, cause lists, and legal documents, optimizing backend performance with PostgreSQL for efficient data retrieval and secure storage, while conducting unit and Django testing to maintain 95% code coverage and minimize errors during deployment
- Technologies: Python, Django, PostgreSQL, Web Crawling, OCR (Tesseract), Django Testing, Postman, GitLab

AlgoFlow AI

Bangalore | Sep 2023 – Mar 2024

Junior Data Analyst

- Created interactive dashboards, delivering actionable insights and improving decision-making efficiency by 30%. Visualized KPIs and trends, enabling data-driven strategies that enhanced and boosted business outcomes by 20%
- Preprocessed complex datasets using Pandas, applying advanced techniques such as dimensionality reduction and data cleaning, removing 80% of outliers to ensure data quality and accuracy for analysis
- Conducted in-depth research and analysis on cutting-edge advancements in Generative AI, with a focus on transformer architecture and Large Language Models (LLMs), exploring how Retrieval-Augmented Generation (RAG) optimizes data tuning and enhances the precision and scalability of AI models
- Technologies: Tableau, Python

PROJECT

Task Management System

- Built an intuitive task management system that streamlined workflow coordination, enhanced team productivity by 30%, and automated task tracking for seamless project execution
- Designed a 3-role login system (Admin, Employer, Employee) with role-specific access, solving workflow challenges and enhancing task transparency
- Integrated a robust OTP-based login authentication system using an SMTP server, improving security by 50% and reducing unauthorized access incidents by 40% through real-time verification

Spam Detection

- Built a Naive Bayes classifier optimized for high-speed text classification, enabling the system to process and classify emails in real-time with a throughput of 100 emails per second
- Preprocessed and transformed over 10,000 email samples by creating tokens, removing stop words, and applying lemmatization, improving feature quality by supervised learning and classification performance
- Technologies: Python, Natural Language Processing (NLP), Scikit-learn, CountVectorizer, Pandas, NumPy

ADDITIONAL SKILLS

Technical Skills : Python, SQL, HTML, CSS, Django, Git, GitLab, CI/CD Pipelines, Postman, Tableau, PostgreSQL, DBMS, Data Structures and Algorithms, OOP, Machine Learning, Natural Language Processing (NLP)

Certifications: Certified in Data Science (GeeksforGeeks), Data Analytics Consulting Virtual Internship (KPMG), Data-Science Lab (WorldQuant University)

ACHIEVEMENTS

General Secretary of Robotics Club

Gorakhpur | Jun 2022 – Apr 2023

- Collaborated in developing an immersive live NFS game experience by integrating real-world steering wheels and brake systems with potentiometers, delivering a hands-on, interactive experience that captivated over 1,000 students during the college fest

Badminton Captain

Gorakhpur | Jun 2021 – Apr 2023

- Increased match success rate by 20% through strategic training and honest gameplay, emphasizing advanced defensive techniques and energy conservation while cultivating team focus under pressure