Raj Tripathi

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Summary — Detail-oriented Data Science student with hands-on experience in data science and web development, proficient in C++, Python and SQL. Adept at solving technical challenges and enhancing usability and efficiency in projects.

Skills

- Python
- C++
- SQL
- JavaScript
- Pandas
- NumPy
- Scikit-learn
- TensorFlow
- Keras
- OpenCV
- AWS
- Windows
- Linux
- Spark
- MySQL
- PostgreSQL
- Model Deployment
- Vector Databases (FAISS, ChromaDB)
- Power BI
- Matplotlib
- Seaborn
- React.js
- Streamlit
- LLMs
- LangChain
- Prompt Engineering
- Fine-tuning
- Transformers
- RAG
- Problem-Solving
- Critical Thinking
- Communication
- Teamwork
- Leadership

Experience

Times Internet   Oct 2024 – Dec 2024
Data Analytics Intern

- Developed a machine learning model to predict the SEO Score of a given article, improving content ranking strategies.
- Increased the user stickiness ratio by 45% and boosted Page Views per week by 15%.
- Conducted exploratory data analysis (EDA) on large datasets to identify key engagement drivers for digital content.
- Implemented A/B testing strategies to measure the impact of content modifications on user interactions.
- Built interactive dashboards in Power BI to provide actionable insights to editorial and marketing teams.
- Optimized data pipelines using Python and SQL to enhance real-time analytics capabilities.
- Presented key findings to senior stakeholders, influencing content strategy decisions.

VST Growth Business   Feb 2024 – Apr 2024
Web Development Intern

- Enhanced user experience and workflow efficiency by 36% through collaborative innovation
- Improved functionality by implementing 5 new features within tight deadlines
- Restructured codebase improving team productivity by 30%
- Reduced page load time by 40% through code optimization
- Created responsive UI components using React.js and Bootstrap
- Integrated REST APIs for seamless data flow across platforms
- Participated in daily scrums and weekly sprint planning meetings
- Fixed 20+ critical bugs improving application stability

Education

Dr. A.P.J. Abdul Kalam Technical University   Nov 2021 – Present
Bachelor of Technology in Computer Science & Engineering
Specialization: Data Science

D.A.V. Centenary Public School   April 2016 – July 2020
Secondary Education (Classes VIII – XII)

Selected Projects

Google Gemini Clone

- Engineered a fully functional Google Gemini clone with 100% feature parity
- Optimized performance, reducing load time by 20%, and delivered a pixel-perfect UI
- Implemented robust error handling and API rate limiting to ensure stable performance under high load
- **Tech Stack:** React.js, Google Gemini API, JavaScript, CSS, Git

PresentSeek - Attendance Management System

- Engineered detailed dashboards for 1,000+ students, improving attendance accuracy by 25%
- Architected and optimized data management system with efficient MySQL queries and indexing
- Implemented real-time attendance tracking with automated notifications for absent students
- Developed custom reporting tools for faculty to generate attendance insights and trends
- **Tech Stack:** HTML, CSS, JavaScript, Bootstrap, MySQL, PHP