Piyush Singhal

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EXPERIENCE

Software Development Intern — June 2024 – July 2024
The Sparks Foundation — *Jaipur, India*
- Designed a scalable web solution for basic banking needs, enhancing user accessibility and convenience by 40%.
- Implemented secure transaction processes and authentication, improving data protection and security risks.
- Gained advanced expertise in full-stack web development and database management while optimizing code for a 50% improvement in performance.
- Gained advanced proficiency in version control with GitHub, mastering branching, merging, and collaboration workflows to streamline development and ensure seamless team collaboration.

Web Development Intern — July 2024 – August 2024
Oasis Infobyte — *Delhi, India*
- Enhanced user experience for travellers by designing a user-friendly, informative, and visually appealing platform, resulting in a 30% increase in user engagement and a 20% boost in bookings.
- Integrated interactive features and showcased personal projects, leading to a 40% growth in professional connections and improved personal branding.
- Improved responsive design and user engagement strategies, reducing bounce rates by 15%.
- Implemented real-time functionalities and robust error handling, achieving a 99% error-free performance while enhancing coding efficiency and debugging expertise.

PROJECTS

YouTube Comment Sentiment Analyzer | Github Link Website Link
- Built a YouTube comment analysis tool using Google Collab and Anvil to interpret user feedback.
- Incorporated Google YouTube API to fetch comments and applied machine learning for genre classification.
- Deployed on Anvil with real-time interaction, saving analyzed comments seamlessly to Google Drive.
- Applied sentiment analysis to interpret comment tone and enhance genre classification accuracy.

Personal Portfolio | Github Link Website Link
- Crafted an intuitive navigation system with a responsive navbar and smooth scrolling animations.
- Incorporated user feedback mechanisms, including tooltips, hover effects, and interactive buttons, to enhance engagement and user interaction.
- Integrated analytics tools to track user interactions and improve user experience continuously.

PDF Chat Application | Github Link Website Link
- Developed an AI-powered PDF Assistant with LangChain and FAISS for accurate, context-based responses.
- Built efficient PDF processing and vector embedding systems using PyPDF2 and Google Generative AI.
- Designed an intuitive Streamlit UI with real-time query handling and seamless multi-tab navigation.
- Delivered a powerful solution for interactive document analysis, significantly enhancing user productivity.

EDUCATION

NIMS University — Jaipur, India
Bachelor of Technology in Computer Science(1st Year), CGPA: 9.26/10 — *2023 – 2027*

Relevant Courses: Data Structure and Algorithms, OOPs, OS, DBMS, C/C++, Web Development, AI/ML, NLP, Python, Java, Bootstrap.

ACHIEVEMENTS

- Solved **1200+ problems** across various coding platforms, honing algorithmic thinking and technical proficiency.
- Secured **All-India Rank 362** in Codechef contest starter 161 (2024) among 26000+ participants.
- Have a rating of **1600+, 1700+** on the CodeChef and GFG Coding platforms respectively.

TECHNICAL SKILLS

Languages: C/C++, Python, Java, Web Design, Bootstrap, DSA, OOPS, DBMS, AI/ML, React.Js, Next.Js, NLP
Developer Tools: Git, Github, Google Cloud, Kubernetes, Google Collab, Sentiment Analysis, Streamlit