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| **Gopal Goyal** Software Engineer L2 Data Science Department Gemini Solutions Pvt. Ltd. | **📞 Contact Number: [Your Contact Number]** ✉️ Email: goyal11.gopal@gmail.com 🐱 GitHub: https://github.com/gopal-goyal 🔗 LinkedIn: https://www.linkedin.com/in/gopal911/ |

## Professional Summary

I am a Software Engineer L2 at Gemini Solutions Pvt. Ltd., specializing in Python development, machine learning, and data science. With a solid technical understanding and problem-solving skills, I excel in building end-to-end AI solutions that effectively address complex challenges. My expertise in large language models (LLMs), data analysis, and software development allows me to deliver optimized codebases for production environments. I have a proven track record of contributing to various AI and ML projects, including sports performance analytics, financial sentiment analysis, and text-to-video solutions.

## Skills

- Programming Languages: Python, C, C++, Dart, JavaScript, HTML, CSS  
- Machine Learning: TensorFlow, PyTorch, Scikit-learn, Roboflow, Pandas, NumPy, Matplotlib, Seaborn  
- Prompt Engineering: Large Language Models (LLMs), Text-to-Video, Stable Diffusion, FinBERT  
- App Development: React.js, Flutter, Firebase  
- Financial Data Handling: Forex sentiment analysis, Graphical comparisons, Dashboards  
- Tools & Technologies: AWS (ECS), Git, Docker, Boto3, MoviePy, VSCode, Linux, Windows

## Experience

As a Software Developer L2 in the Data Science Department, I contribute to various AI and ML projects, utilizing my skills in Python and data analysis to create solutions that meet client needs.   
I specialize in developing and deploying software that enhances operational efficiency and drives business growth.

## Projects

- Text-to-Video Solution: Developed an end-to-end AI-powered text-to-video conversion solution using large language models and Stable Diffusion, successfully hosting the entire pipeline to deliver a seamless user experience. This project highlights my ability to integrate multiple technologies to produce impactful solutions.  
- Forex Sentiment Analysis: Designed and implemented a comprehensive dashboard that effectively analyzes financial data and sentiment scoring. My work demonstrates strong capabilities in handling financial datasets and creating insightful visualizations that facilitate informed decision-making for users.  
- Sports Performance Analytics: Led the training of various machine learning models, including object detection and classification, using tools like MediaPipe and SVM. I also manage the codebase for the machine learning aspect of the project, showcasing my technical expertise and ability to contribute to complex AI initiatives.  
- Personal Projects: Proficient in both React and Flutter, I have developed several mobile applications, including weather apps and hidden calculator vault apps. This versatility underscores my ability to adapt and excel across different platforms and technologies.

## Education

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| Degree | Institute/Board | CGPA/Percentage | Year |
| B.Tech in Computer Science and Engineering | NIT Hamirpur | 8.38/10 | 2019-2023 |
| XII CBSE | Lav Kush Convent School, SGNR | 92.4% | 2019 |
| X CBSE | Nosegay Public School, SGNR | 95% | 2017 |