

Dear Hiring Manager,

I am writing to express my enthusiasm for the Software Developer and Backend Developer position. With a Bachelor's degree in Computer Science from BBD Institute of Technology and Management, and a robust background in software and backend development, I am confident in my ability to contribute effectively to your team.

During my academic career, I honed my technical skills in Python, Flask, Django, REST API, FastAPI, and various other technologies. My proficiency in tools such as Pandas, Numpy, and Matplotlib has enabled me to conduct detailed data analysis and present meaningful insights. One notable project involved automating data extraction and cleaning processes, which resulted in a 30% reduction in data preparation time. Additionally, I implemented statistical analysis and visualization techniques to create informative Tableau dashboards.

In my professional journey, I have had the opportunity to work on several impactful projects. As a Data Analyst Intern at Propelsys Software, I engineered a TensorFlow model for a Drowsiness Detection System, achieving a 91.8% accuracy rate and potentially reducing accidents by 40%. This project not only improved road safety but also had applications in critical settings such as manufacturing and healthcare.

I developed CodeBot, a Django-based web application with a fully functional login page and CRUD operations. This project demonstrated my ability to integrate OpenAI's GPT-3.5 API for code correction, enhancing the platform's utility. Furthermore, I developed REST APIs using Python, Flask, and Docker, securing user authentication with JSON Web Tokens and optimizing database queries for a 40% reduction in response time using SQLAlchemy.

My coding skills are well-validated by my achievements on Leetcode, where I have solved over 500 problems, earning a Top SQL 50 and 100 Days Badge. I have also showcased my proficiency through 30+ diverse projects on GitHub, encompassing various aspects of web and software development.

In addition to my technical expertise, I am a proactive learner and keep up with the latest trends and developments in technology. My certifications in Python programming, Django, data manipulation, analysis, and visualization further bolster my qualifications.

Thank you for considering my application. I look forward to the opportunity to discuss how my background, skills, and certifications align with the needs of your team. Please feel free to contact me at 9628592867 or via email at [prakharpratap2001@gmail.com](mailto:prakharpratap2001@gmail.com) to schedule an interview.

Sincerely,

Prakhar Pratap

LinkedIn: [linkedin.com/in/prakharpratap](https://www.linkedin.com/in/prakharpratap)

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