

Subject: Application to 6 month DS internship at Swiggy

Sir

I am **Aditya Agre**, a third year Computer Science and Engineering student from Pimpri Chinchwad College of Engineering, Pune. I am writing to you in reference to the post about 6 month **DS internship** at Swiggy, made by **Mr. Jairaj Sathyanarayana**.

I am currently in the third year of my B.Tech program. Along with my degree, I am also pursuing a **Deep Learning Honours** program offered by my college. Moreover, I have taken up various courses such as Data Mining and Warehousing, Basic Neural Networks, Machine Learning, etc. at college as a part of my academics. All of these have included theory as well as practicals along with dedicated projects for each.

I have also been an **AI-ML intern** at Vibtree Technologies for 3 months. I worked extensively in the Research as well as the development phase of an AI based Sales Assistant. I designed and developed applications using **Open-AI's** APIs, using **Langchain**. In the process I gained a very detailed understanding of Langchain, LLMs, Data Pipelines, chatbot-systems, etc. As this was my first internship in an organisation, it helped me get familiar to working with a team, understanding the work culture, etc.

As far as my research endeavours are concerned, I have written one paper in **Hyper-Graph Colouring**, after developing my own algorithm along with my team. Secondly, I also have an innovative paper in **Number Theory**, concerned with prime numbers, etc.

I also serve as the **Management Head** at **Google's Student Developer's chapter** at my campus, managing a team of 46 developers, organising and participating in numerous events, hackathons, etc. I am also very active in Pune's startup and developer community. I frequently attend events organised by **e-chai Pune**, **Docker Pune**, **AWS Pune**, **Python Developers Pune**, etc. I also represented my College at **Indo-ML 2023**, which is the largest Machine Learning Conference held in India, at IIT Bombay.

I also did a deep dive into Shlok Gandhi's repository regarding the routing algorithm for multiple deliveries in the same locality, as I am very keenly interested in **Routing algorithms**. Such algorithms can be of great value to Swiggy. For these reasons, Swiggy has always been one of my top picks as my ideal employer as I would be able to showcase my skills at algorithm design, data science, etc. Moreover, with my experiences as an Intern, along with my learnings in academics and through various projects, I believe, I will make a decent candidate for the position.

I am attaching my resume for your kind consideration.
Looking forward to hearing back from you.

Sincerely

Aditya Agre