

**Thesis Portfolio**

**Revolutionizing Food Delivery Services with Home Cooked Meals**  
(Technical Report)

**International Adaptations of Food Delivery Technology**  
(STS Research Paper)

An Undergraduate Thesis

Presented to the Faculty of the School of Engineering and Applied Science  
University of Virginia • Charlottesville, Virginia

In Fulfillment of the Requirements for the Degree  
Bachelor of Science, School of Engineering

Ankith Yennu  
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Department of Computer Science

## **Sociotechnical Synthesis**

Food delivery technology is now an essential method of conducting business for food businesses around the world. As lifestyles gradually get more fast-paced and consumers have a lower tolerance for speed to delivery, building efficient, failure resistant food delivery systems are a necessity for any highly populated area. As these services become more popular, they create many part-time jobs accessible by anyone while also driving up sales and revenue for different restaurants and food chains. Their success revolves around the technology innovators adapting to the different methods of conducting business around the world as much as possible into the workflow of food delivery. By doing so, food delivery technology businesses ensure they are reaching the greatest number of people in the most efficient manner to generate profits.

In order to explore the inner workings of this technology from different perspectives, both a completed technical hands-on project and completed research paper provide for a thorough investigation into how this technology was introduced and why it works for consumers today. The technical project consists of a fully functional, end-to-end tested food delivery application called HomeEats directed towards providing food delivery technology for at-home cooks to provide fresh home-cooked meals to our platform of customers. The research paper investigates the differences in how food delivery technology is created around the world, discussing existing food delivery applications and how they operate successfully within their respective social settings.

Together, they provide a detailed view of what features and pieces make food delivery technology successful and why certain social factors among consumers within a society directly shape the way they operate in order to become successful.

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