Introduction

Personal

- Name: Shivam Singhal
- Email: ssinghal88@gatech.edu
- Major: Master's in Computer Science
- Year in GT: First year, second sem

Education

- Previous Education: Bacherlors, Electrical Engineering, Indian Institute of Technology Kanpur
- Previous Courses: High Perform Comp Arch, Advanced OS, GPU H/W & S/W, Computer Organisation, Operating Systems, Linux Kernel Programming, Principles of Database Systems, Computer Networks

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Interests

- Designing and Building distributed database systems balancing different tradeoffs in latency, consistency, availability and persistance

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Work Experience

1. Uber Aug'24 – Aug'25 Software Development Engineer I | Offers Platform Team | Uber Eats Bengaluru, India
   - Built a new offer construct, Buy any X items for $Y, implementing the algorithm for correct redemption and discount calculation, along with proper

monitoring and alerting, resulting in a $200K+ weekly increase in overall offer redemption
2. Google Summer of Code May'24 – Nov'24 Google Summer of Code Contributor | The Linux Foundation | GitHub Remote
    - Integrated RAUC, an A/B partition-based update-manager with Torizon-OS reducing device update time by over 30% on reboot
    - Architected GitLab CI/CD testing framework, enabling continuous integration for Unified, boosting test coverage from 40% to 90%