YASH CHATURVEDI

+1 (470) 884-2447 — yash.c@gatech.edu — Atlanta, GA — yash-chaturvedi-109

EDUCATION

Georgia Institute of Technology
Master of Science, Computer Science [**GPA: 3.77/4**] Aug 2023-May 2025

Birla Institute of Technology and Science - Pilani
Bachelor of Engineering (Hons), Computer Science Engineering [**GPA: 8.99/10**] Aug 2017-May 2021

TECHNICAL SKILLS

Proficiency Java, C++, Python, JavaScript, MySQL, C, React.js, Node.js, HTML, CSS, Spring Boot
Exposure Rust, GraphQL, TypeScript, Solidity, C#, Docker, Kubernetes, Jenkins CI/CD, Next.js, HQL

WORK EXPERIENCE

Adobe India
Member of Technical Staff II Feb 2023-Jul 2023

- Designed and built a new workflow using REST APIs and Spring Batch Patterns to allow 10,000+ Sign users to retain agreements upon account migration, reducing support ticket creation by 90%
- Wrote queries in Hibernate Query Language (HQL) for the extraction and migration of shared assets, to be called by REST APIs for migration. Enabled the migration of 5000+ shared workflows, templates and agreements

Adobe India
Member of Technical Staff I Jul 2021-Jan 2023

- Enhanced the Individual to Teams workflow by integrating Apple Pay and Google Pay, rewriting CSS to support mobile and tablet devices, and designing promotional offer workflows. Generated $5mn ARR in H1 2022
- Designed the navigation workflow and backend processing for multi-authentication e-signatures using JavaScript, CSS and Spring Boot, allowing the use of 30+ identity providers across the world in custom combinations

Walmart Global Tech India
Software Engineering Intern Jan 2021-Jun 2021

- Computed a new supply chain assessment metric using ElasticSearch APIs and created a self-service inventory management workflow using React.js to improve and quantify vendor access to 1M+ inventory items

Adobe India
Software Engineering Intern May 2020-Jul 2020

- Improved the accuracy of a heuristic-based document object detection and classification model by modifying Mask R-CNN to handle 3-channel input images. Trained model correctly identified over 80% of tables, images and paragraphs in a dataset of 100,000+ document images

RESEARCH EXPERIENCE

C to Memory-Safe Rust Conversion Jan 2024-ongoing

- Compared static analysis and machine learning-based approaches to convert unsafe C code into memory-safe Rust. Currently developing a combined approach to convert 1000+ Linux device driver files from C into Rust

Evaluating Vulnerabililty Injection in LLMs Aug 2024-ongoing

- Analysis of points of vulnerability in the use of LLMs for code generation and prospective attacks, such as browser event capture, clipboard overrides and chat session hijacks

Blockchain Based Raspberry Pi Mesh Network Jan 2020-May 2020

- Created a private proof-of-authority (PoA) Raspberry Pi mesh network and used Solidity, Docker and Wireshark to study correlation of inter-node distance and number of light nodes with latency.