

SHUBHI SHRIVASTAVA

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WORK EXPERIENCE

Software Engineer - NCR Corporation (Atlanta, GA)

July 2022-Present

- Developed and maintained APIs and microservices using Go and Java for Next-Gen Self-Checkout systems, designed a new stacked transactions API collaborating closely with cross-functional teams demonstrating an ability to work effectively and independently, leveraging Google Cloud Log Analytics to expedite bug resolutions and utilizing Kubernetes for hosting services.
- Initiated database optimization efforts to perform critical cleanup tasks for errorlookup databases using Python and SQL.
- Actively contributed to a book club dedicated to clean code programming, promoting best practices and fostering reading and programming skill improvement, strengthened code quality and collaboration by offering valuable feedback in code reviews.
- Innovatively created an extractive question-answer model (ChatAssist) during a hackathon using Generative AI techniques, laying groundwork for an internal chatbot for employee support.

Student Assistant - Terry College of Business (Athens, GA)

April 2022 - May 2022

- Assisted with data collection and analysis by leveraging Google Compute Engine, studying and managing bot behavior for over 10 bots and information dissemination trends, employed Python, Tweepy, and scheduled scripts to gather, analyze and store live tweets and impressions for insights.

Associate Software Engineer - Electronics for Imaging (Bangalore, India)

Jul 2018 - Nov 2019

- Collaborated on end-to-end workflow integration to effectively manage key operational processes like scheduling, purchasing, inventory and planning, revamped data collection module and enhanced code quality by refactoring and optimizing the code in Java in Spring framework contributing to improved overall software excellence.
- Coordinated with geographically diverse product team and experienced working in agile workflow.

SDE Intern - Electronics for Imaging (Bangalore, India)

Jan 2018 - June 2018

- Improved code readability by rectifying static code bugs using SonarQube and FindBugs tools, resulting in an impressive 89% enhancement, participated in trainings conducted on Github, CI/CD pipelines and Spring Boot framework.
- Performed testing and writing comprehensive Junit test cases and played a pivotal role in conducting rigorous regression, unit, and integration testing, contributing to software robustness and stability.

EDUCATION

University of Georgia, Franklin College of Arts & Sciences

Athens, GA

Master of Science in Computer Science

Jan 2021 - May 2022

University of Maryland, Baltimore County

Baltimore, MD

(Info Systems Coursework: MIS, Distributed Systems, Data Analytics in Healthcare)

Jan 2020 - Dec 2020

PES University

Bangalore, India

Bachelor of Technology in Computer Science and Engineering

Aug 2014 - May 2018

PROJECT EXPERIENCE

Adversarial attacks on Object Detection in Autonomous Driving Vehicles

Athens, GA

Trustworthy Machine Learning (Master's project)

Jan 2022 - May 2022

- Investigated malicious attacks on PIXOR and other LiDAR object detection deep learning model algorithms on Autonomous Driving Vehicles by using LGSVL Simulator.

Sarcasm detection using deep learning techniques

Athens, GA

Advanced Representation Learning

Aug 2021 - Dec 2021

- Performed classification of reddit comments dataset as per sarcastic level using several deep learning models like SVM, Random Forest and BERT. Conducted a comparative study on the performance and accuracy metrics for these models.

Online Bookstore website - forWORDS

Athens, GA

Software Engineering course

June 2021 - July 2021

- Developed an e-commerce website enabling users to browse, add items to cart, and checkout books.
- Implemented UI using Bootstrap, HTML, CSS, and JavaScript, and managed backend operations with a MySQL database.
- Integrated the platform into a Java Spring Boot application leveraging Thymeleaf for dynamic content rendering.