

# Aditi Raj Kandoi

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## EDUCATION

### Stony Brook University

Master of Science in Computer Science | GPA: 3.63

Relevant Courses: Operating Systems, Big Data Analytics, Data Science Fundamentals, Natural Language Processing

New York, USA

Dec. 2022

### Sardar Patel Institute of Technology

Bachelor's of Technology in Computer Engineering | GPA: 8.9

Relevant Courses: Algorithms, Networking, Software Engineering, Distributed Systems, Object-Oriented Programming

Mumbai, India

Jun. 2021

## TECHNICAL SKILLS

- **Languages:** Python, Java, Golang, C/C++, C#, Linux Kernel C, R, HTML/CSS, JavaScript, Shell Scripting
- **Query languages:** SQL, GraphQL, MQL
- **Frameworks:** Apache Spark, Hadoop, Spring, Django, Selenium, Tensorflow, React, Android
- **Tools:** AWS, Docker, Kubernetes, Postman, REST APIs, Microsoft Office Suite, JIRA, Git, Agile (Scrum)

## WORK EXPERIENCE

### Zenith Solutions

Software Engineer

Jersey City, New Jersey

Jun. 2023 - Present

- Currently leading the end-to-end development of a web project, encompassing front-end development with React and JavaScript for an engaging user experience, and back-end infrastructure setup using Django for secure authentication, efficient data management, and seamless API integration
- Reduced data retrieval time by more than 48 hours for a 17,000+ customer database using Selenium for web scraping and SQL for efficient data storage, enhancing operational efficiency and enabling targeted data analysis

### Sigscalr

Software Engineer

Jersey City, New Jersey

Jan. 2023 - Mar. 2023

- Enhanced observability with a highly efficient metrics storage and retrieval system. Utilized a custom tag tree structure in Go to handle over 1 million unique series and billions of data points, enabling rapid ingestion, queries, and in-depth metric analysis
- Introduced concurrent thread workflows using Goroutines in Hyperion's codebase, a log and event management tool, optimizing for parallel execution and improving efficiency by 20%

### Meta Platforms, Inc. (formerly Facebook)

Software Engineer Intern

Seattle, Washington

May 2022 - Aug. 2022

- Built a framework to automate flagging and deletion of applications' performance tests using Python and Buck by introducing a new metric (test quality score), achieving a 25% decrease in capacity wastage
- Created an automated job utilizing Chronos and Python Logger Config to calculate and track key metrics at regular intervals, logging results to the Scuba database; streamlined data analysis process, saving 10+ hours per week
- Leveraged GraphQL to efficiently retrieve performance results' data, facilitating informed decision-making regarding actions on the performance tests

### BNP Paribas

Software Developer

Mumbai, India

Jan. 2021 - Jun. 2021

- Migrated the "User Deposits Report" creation workflow from FoxPro to Java, facilitating the retirement of outdated legacy workflows and improving report generation efficiency by over 30%
- Engineered Java scripts to optimize report categorization by incorporating client, branch information, and deposit types

## PROJECTS

### Linux 5 Kernel

Aug. 2022 - Dec. 2022

- Developed stbfs, a stackable file system for Linux, featuring a secure 'trash-bin' folder; encrypted and moved files upon deletion, allowing easy restoration
- Designed and integrated an FFS in-kernel queuing system, enabling asynchronous file operations like delete, rename, encrypt, compress, and hash through ioctls

## ACHIEVEMENTS

- Awarded "Best Paper" for "Pothole Detection using Accelerometer and Computer Vision with Automated Complaint Redressal" at 3rd ICSPC Conference, May 2021
- Finalist at DevHack 2020, IIT Dharwad, for implementing a Machine Learning system to minimize food waste
- Bagged 5th Position at Hack by the Beach, BITS Goa, for building an efficient waste detection and disposal system