AADARSH KENIA

631-974-8070, akenia@cs.stonybrook.edu
linkedin.com/in/aadarsh-kenia-11878b54

WORK EXPERIENCE

Morgan Stanley   **New York, NY**
Programmer Associate   Nov 2016 - Present
Programmer Analyst   Aug 2016 - Nov 2016

- Led the initiative of building an improved document collaboration portal by implementing RESTful web-services through a novel concept of API first design (Swagger).
- Optimized response times of slower API operations by 3x through a new implementation using message queueing systems and Java Message Service (JMS).
- Decommissioned a legacy, cutting costs by $1.7M annually by building an improved routing system based on an event-driven, service oriented architecture and data serialization using Google Protocol Buffers.
- Oversaw evolution of a middleware from proof of concept to being a core component of many production systems.
- Saved hundreds of man hours spent in production support by automating the recovery of workflow processes.

PROJECTS *(github.com/aadarshkenia)*

Google Drive File System - *Hobby Project*
- Built an app for automatically backing up local files to Google Drive, thereby reducing the manual effort involved in managing backups. Technologies: Python, file system in user space (FUSE) library, Drive SDK, OAuth 2.0.

SBUnix Operating System - *Stony Brook University*
- Programmed a 64-bit preemptive operating system kernel from scratch with support for memory management, process scheduling and a Linux type shell.
- Implemented the virtual memory module, considered as backbone of OS and wrote process creation interfaces, viz. fork & execv system calls.

Fault Tolerant Distributed Banking System - *Stony Brook University*
- Extensively used multi-threading to simulate chain replication protocol for handling server downtimes in a distributed environment.

EDUCATION

Stony Brook University, MS in Computer Science (GPA: 3.56 / 4)   Aug 2014 - May 2016
- Coursework: Algorithms, Data Structures, Distributed Systems, Databases, Operating Systems, Parallel Computing.

University of Mumbai, BE in Computer Science   Sep 2010 - May 2014

AWARDS

- Top 3%, Project Euler algorithms programming contest (hackerrank.com), 25,000+ participants worldwide.
- Ranked top 1%, AIEEE competitive exam for selection into NITs amongst 1M students.
- Numero Uno Math Quiz : Runner-up amongst 800+ participating teams at State Level Math Quiz.

OTHER EXPERIENCE

- **Intern Mentorship (Morgan Stanley)**: Provided insight on various areas within technology, conducted one-one review sessions to guide through blockers and ensured that the internship experience is enjoyable and rewarding.
- **HackRU, Rutgers University Hackathon :** Oversaw a team of 4 and attempted to build a basic networking website for children of New York Presbyterian hospital within 24 hrs. Coordinated individual responsibilities within the team and handled server side scripting. Technologies: PHP, MySQL, HTML, CSS.

SKILLS

- **Languages :** Java (Proficient), C, Python, JavaScript, SQL.
- **Frameworks :** Spring, Messaging Queues, JUnit, Mockito, Swagger, Selenium, MapReduce, ZooKeeper.
- **Tools :** Git, IntelliJ IDEA, Gradle, GNU Debugger.
- **Concepts :** Object-oriented design and development, API first design, test driven development, distributed systems, REST and SOAP web services.