

# Mansi Mistry

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## EDUCATION

**Stevens Institute of Technology** | *Master of Science, Computer Science* | **Hoboken, NJ** **09/2022 - 05/2024**  
**Relevant Courses:** Web Programming, Database Management Systems, Data Structures and Algorithms, Mathematics for Machine Learning, Agile Methods for Software Development, Software Requirements Analysis and Engineering

**University of Mumbai** | *Bachelor of Engineering, Electronics and Telecommunication* | **Mumbai, India** **08/2018 - 06/2022**  
**Relevant Courses:** Cloud Computing, Object-Oriented Programming, Software Process Automation, Social Network Analysis

## TECHNICAL SKILLS / CERTIFICATIONS

**Languages:** Python, C++, JavaScript, HTML, CSS, SQL, MongoDB, PHP, R

**Technologies:** MySQL, Redis, Docker, Git, Github, Jenkins, Matplotlib, Pandas, NumPy, Scikit-Learn, Terraform

**Frameworks and Libraries:** Node.js, React.js, GraphQL, Django, Flask, jQuery, Bootstrap, Tailwind

**Cloud Platforms:** Microsoft Azure, Amazon Web Services (AWS), Google Cloud Platform (GCP)

**Amazon Web Services Tools:** Amazon S3, Amazon EC2, DynamoDB, CloudWatch, Lambda

**Microsoft Azure Tools:** App Service, Azure Cache for Redis, Azure Container Registry, Azure Cosmos DB, Azure Database for MySQL, Azure DevOps, Azure Kubernetes Service, Static Web Apps, Virtual Machines, Web App for Containers

**Certifications:** Cloud Developer Using Microsoft Azure ([Udacity](#)), Google IT Automation with Python Specialization ([Coursera](#)), Introduction to Scripting in Python ([Coursera](#)), Introduction to Structured Query Language ([Coursera](#))

## INDUSTRY EXPERIENCE

**Office of Graduate Education, Stevens Institute of Technology** | *Graduate Analyst* | **Hoboken, NJ** **10/2022 – 05/2024**

- Collaborated with Systems team to migrate student records to Workday, optimizing data extraction and cleansing from the Slate CRM
- Developed complex database queries to filter over 10,000 student applications, creating detailed reports for administrative use
- Automated data collection from 50+ websites for student fairs, boosting efficiency by 80% compared to manual method
- Built Python CLI application to list master's students on probation and created dashboards to support strategic administrative decisions

**Persistent Computer Services** | *Software Engineer Trainee* | **Mumbai, India** **06/2021 – 01/2022**

- Designed and implemented Flutter-based mobile app for e-commerce using Node.js, ensuring seamless integration and robust backend
- Achieved 20% operational cost reduction, 40% efficiency increase through optimized maintenance processes facilitated by Node.js
- Enhanced user experience with Material Design principles and Flutter widgets, leveraging Node.js for responsive interface improvements and resolving technical issues with 30% less downtime and 25% faster processing

**The Sparks Foundation** | *Web Designing and Development Intern* | **Mumbai, India** **01/2021 – 02/2021**

- Developed dynamic blogging platform using Django and incorporated advanced user interaction features to enhance user experience
- Launched platform on Microsoft Azure WebApp Service, increasing monthly active users by 20%, and implemented robust CRUD operations both blogs and user accounts to optimize functionality and user engagement
- Completed code reviews, debugging sessions, and integration processes to maintain code quality and integrity

**Thakur College of Engineering and Technology** | *Database Intern* | **Mumbai, India** **05/2020 – 08/2020**

- Designed ER model for student database system, created structured framework to manage incoming and current student data
- Developed frontend using Java and backend with MySQL, ensuring cohesive and functional user interface and database interaction
- Implemented comprehensive functionalities for managing student records which enhanced system's overall efficiency and reliability
- Collaborated with team members to test and refine the student database system, ensuring high performance and user satisfaction

## PROJECTS

**Live Football Statistics App** | *React.js, GraphQL, Redis, Microsoft Azure, Docker, Kubernetes* **12/2022 – 01/2023**

- Spearheaded in the agile development of 'AllFootball,' a React.js and GraphQL-based app providing live football league statistics
- Achieved efficient deployment of frontend and backend using Docker on Microsoft Azure, enhancing user engagement by 30%
- Utilized Kubernetes for orchestration to ensure efficient management and scaling of the application's infrastructure

**Vehicle Identification System** | *Python, Google Cloud Services* **05/2021 – 04/2022**

- Architected a cloud-based solution for vehicle recognition powered by YOLO v4 to deliver 80% accuracy rate
- Implemented Google Cloud Vision API to execute pre-trained models for vehicle detection and feature recognition
- Ensured robust data handling and scalability by utilizing Google Cloud Storage to efficiently store and manage results

**Performance Enhancement with Azure Kubernetes Service** | *VM Scale Sets, Application Insights* **10/2021 – 11/2021**

- Implemented performance monitoring using Application Insights to provide deep insights into application health and user activities
- Established auto-scaling AKS and VM Scale Sets to efficiently handle varying loads and optimize resource utilization
- Automated performance fixes and set up proactive alerts with Azure Runbooks to improve system reliability and uptime

**Online Library Management System** | *PHP, MySQL, Bootstrap* **11/2020 – 12/2020**

- Led launch of a PHP and MySQL-based library management system to streamline book management and transactions
- Prepared a robust backend functionality for book cataloging, borrower management, and transaction tracking
- Created user-friendly interface and responsive design for optimal user experience by utilizing Bootstrap for frontend development