

# Harshvardhan Sanjay Dubey

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## EDUCATION

### Carnegie Mellon University

Pittsburgh, PA

Master of Information Systems Management | GPA: 3.7/4

Dec. 2023

**Coursework:** Data Structures, Consulting, Economic Analysis, Product Management, Agile Methodologies, IT Project Management, Managing Analytic Projects, Data Focused Python, IT Business Leadership

### University of Mumbai

Mumbai, IN

Bachelor of Engineering, Information Technology | GPA: 8.47/10

May 2019

**Honors:** Outstanding Performance Award 2019, Ranked first in a class of 80

**Coursework:** Applied Mathematics, Advanced Database, Object Oriented Programming Methodology, Data Mining & Business Intelligence, Distributed Systems, Software Project Management

## SKILLS & CERTIFICATIONS

**Technical:** Java, JavaScript, C, Python, UNIX, Chai.js, HTML, CSS, Bootstrap, Spring Boot, MVC, Hibernate, REST, Angular, SQL, PL/SQL, Cypress, Postman, SOAP UI, Jira, Confluence, Git, Colibra, Bitbucket, Azure DevOps, CI/CD, Jenkins, SonarQube, Openshift, Kubernetes, Ingress, Terraform, API Gateways, Blockchain

**Certifications:** Scrum Inc. Registered Scrum Master, Microsoft Technology Associate: Introduction to Programming Using Java, Microsoft Technology Associate: Security Fundamentals

## WORK HISTORY

### The Jackson Laboratory

Pittsburgh, PA

Student Intern, Computational Sciences

May 2023 - Aug. 2023

- Streamlined the deployment process by engineering CI/CD pipelines to integrate development and testing
- Developed and executed API test suites in Postman, including load testing, resulting in a 95% success rate
- Assisted in developing Terraform-based cloud standards, leveraging a GCP backend to deploy an IaC
- Designed Cypress frontend tests to ensure optimal user experience and achieve 100% functional accuracy

### Larsen & Toubro Infotech

Mumbai, IN

Software Engineer, Banking and Financial Services

Aug. 2019 - Jul. 2022

- Engineered full-stack applications using Advanced Java, Web Development technologies stated in the user story
- Standardized a REST-based data catalog consisting of 10M+ records in Oracle from Colibra Metadata
- Planned releases to higher environments using CI/CD tools like Jenkins, Harness, and RLM
- Featured in L&T Infotech (July 2021) – Genesis Q1 Newsletter for being awarded the ‘Pat on the Back’

## ACADEMIC PROJECTS

### Bipartisan Policy Center - Project Manager, Carnegie Mellon University

- Spearheaded the project with a detailed Work Breakdown Structure, yielding a 20% increase in efficiency
- Managed Gantt charts and Jira, resulting in a 15% reduction in project timeline deviations as Scrum Master
- Achieved 100% project goal alignment, contributing to a 25% increase in overall team productivity
- Conducted bi-weekly meetings, resulting in a 30% increase in team collaboration and timely issue resolution

### Blockchain Implementation: Distributed Systems - Student, Carnegie Mellon University

- Assembled a blockchain implementation resulting in a robust and cohesive system with 100% accuracy
- Devised functions for seamless block addition, hash rate calculation, block retrieval, chain validation, and swift repair when needed, resulting in a 30% efficiency boost
- Orchestrated effective proof-of-work computation, ensuring compliance with specified difficulty levels

### SpyD: An automated security tool - Project Lead, University of Mumbai

- Led a team of 4 developers in creating a device for up to 5 types of penetration tests in a network
- Reduced the possibility of successful attacks by 50% by notifying network owners about the vulnerabilities
- Published a research paper titled ‘[SpyD: An Automated Security Tool](#)’ in the Journal of Emerging Technologies and Innovative Research ISSN:2349-5162, Vol.6, Issue 4, page no.724-728, April 2019