

Harshvardhan Sanjay Dubey

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EDUCATION

Carnegie Mellon University

Pittsburgh, PA

Master of Information Systems Management | GPA: 3.65/4

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

TECHNICAL SKILLS & CERTIFICATIONS

Skills: Core Java, Advanced 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, Collibra, Bitbucket | Azure DevOps, CI/CD, Jenkins, SonarQube, OpenShift | Kubernetes, Ingress, Terraform, API Gateways

Training & 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
- Assisted in developing Terraform-based cloud standards, leveraging a GCP backend to deploy an IaC
- Developed and executed API test suites in Postman, including load testing, resulting in a 95% success rate
- 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 Collibra 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 (Data Visualisation) - 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

FedEx - Student Consultant, Carnegie Mellon University

- Conducted competitive analysis, identifying growth areas from 15+ logistics competitors
- Analyzed backend logistics operations, suggesting improvements in efficiency and costs
- Produced reports for senior management, driving informed decisions and staying ahead of industry trends

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

- Directed a group of 4 developers to assemble a device capable of performing up to 5 types of security breaches in the connected network for penetration testing
- 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