

EDUCATION

New Jersey Institute of Technology

Newark, NJ

Master of Science in Computer Science (GPA: 3.83/4)

Sept. 2022 – May 2024

Courses: Data Structures and Algorithms, Database Management Systems Design, Internet and Higher Layer Protocols, Operating Systems Design, Web System Development, Data Analytics in R

Savitribai Phule Pune University

Pune, India

Bachelor of Engineering in Computer Science Engineering (GPA: 7.70/10)

August 2016 – May 2020

Courses: Data Structures and Algorithms, Object Oriented programming, Principles of programming languages, Database Systems, Data Analytics, Operating systems, Data Mining, Machine Learning, Cloud Computing, Microprocessors, Computer Networks, Internet of Things

WOR EXPERIENCE**Harbinger Systems Pvt. Ltd.**

Pune, India

Software Engineer

July 2020 – July 2022

1. Analyzed a dataset which had movie ratings given by users in python. Drew different graphs, histograms, bar plots, pie charts.
2. Tested more than 200 E- learning courses in 3 different stages while ensuring quality. Formulated a reliable technique for the QA team of the E-Learning Project, to increase the system's efficiency by 40%.
3. (Sept-20 to July-22)
 - Collaborated with a **Fortune 500 company** in the information services industry sector to maintain, develop and upgrade custom software solutions for their business needs. Managed client communications and conducted scrum meetings on an individual basis.
 - Utilized JAVA, SQL, Shell/OmniMark scripting, JavaScript, HTML, XML to maintain and develop robust and scalable applications, resulting in a remarkable 50% enhancement in the system's effectiveness.
 - Successfully removed the XSS error from the project code which was blocking the third-party software to integrate with the project which enabled the client to repurpose existing software licenses, resulting in a savings of \$8000(approx.).
 - Leveraged PowerShell, Shell, and OmniMark scripts to automate project deployment, leading to a significant 60% acceleration of the deployment process.
 - Enhanced software integrity by 25% through the implementation of JavaScript functionality, preventing clients from skipping crucial video content in the UI and thereby boosting user engagement and satisfaction.
 - **Third prize** in the **Bugathon** & Nominee for “**Excellence in Technical Contribution**” for upgrading JAVA version from Java 8 to 15.
 - Employee of the month - October **Award** for outstanding work on the testing project.

Riskpro Management Consulting

Pune, India

Full Stack Developer

July 2019 – April 2020

- Created a highly accurate image-based text recognition system for handwritten Devanagari and English text using Image processing and CNN, achieving an accuracy of 99.8%.
- Published project paper on topic ‘Devanagari and English Text Recognition from document images’ in **International Journal of Research and Analytical Reviews** in 2020. Paper Link: http://ijrar.org/viewfull.php?&p_id=IJRAR2004197

PROJECTS**Business Management**

- Programmed a comprehensive business management application using Python Flask, HTML, CSS, and SQL. Built functionalities for employee and company management, data validation, advanced searching, and data importation.
- Server Link: <https://is601-rk268-mp3-prod.herokuapp.com/>

Bank

- Constructed a Bank project using Python, Flask, HTML, CSS, and MYSQL. Implemented functionalities including account creation, details viewing, deposit/withdrawal, transfers (internal and external), roles assignment and record filtering with intuitive user interface.
- Server Link: <https://is601-rk268-prod.herokuapp.com/login> Project overview link: [YouTube link](#)

Library Management System

- Handled book cataloging, borrower-management, circulation management and fine calculation. Technology-Stack: JAVA, SQL, HTML

Predict Future Sales

- Utilized machine learning models to forecast the total amount of products sold in every shop for the test set, using daily historical sales data provided through Kaggle. Technology Stack: R language

Created a new Linux System Call.

- **Programming Languages & Databases:** Java, Python, C, C++, JavaScript, MySQL, Golang, Shell, OmniMark, PowerShell, Spring Boot,
- **Cloud Technology:** Heroku
- **Web Technologies:** JavaScript, HTML5, CSS3, XML, Bootstrap.
- **Frameworks:** Flask with Jinja Templating
- **Tools:** Postman, WINSCP, CyberArk, Azure repository, Putty, Remote Desktop Connection, Beyond Compare, Cisco VPN, Adobe Captivate, Scorm Cloud, Kaltura, Sonar-Scanner, WebSphere, JIRA
- **Certifications:** Fundamentals of Golang, Core JAVA, Basics of Shell Scripting, Blockchain and Bitcoin Fundamentals, Cloud computing on Amazon AWS, Eclipse basics for Java, Java JSP Servlets, Fundamentals of Python
- **Harbinger Systems Private Limited:** Professional excellence program (Silver)