

SAHIL SONAWANE

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EDUCATION

NORTHEASTERN UNIVERSITY

Master of Science in Information Systems

Boston, MA

Expected May 2023

- Relevant coursework: Program Structure & Algorithms, Web Development Tools, Web Design/User Experience Engineering

SAVITRIBAI PHULE PUNE UNIVERSITY

Bachelor of Engineering in Computer Science

India

Graduated May 2019

- Relevant coursework: Database Management Systems, Soft Computing & Optimizing Algorithms, Embedded Systems
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TECHNICAL SKILLS

Programming Languages: Java, C, C++, JavaScript, Python, ABAP/4, SQL, NoSQL

Web Technologies: Spring MVC, Spring Boot, ReactJS, NodeJS, AJAX, JSP, HTML, CSS, Rest API

Cloud Technologies: Microsoft Azure, AWS (RDS, EC2, S3)

Tools/IDE: Eclipse, Android Studio, GIT, Jupyter, IntelliJ, Netbeans, Maven, Visual Studio

EXPERIENCE

INFOSYS LIMITED

Software Engineer

May 2020 - July 2021

- Created an application deploying **MVC architecture** to notify failed background jobs improving efficiency by 100%
- Developed an ABAP program to automate the procedure of filtering millions of data into excel sheets saving 80% of clients time
- Improved performance of programs up to 70% using **SQL Trace** and Runtime Analysis tools
- Wrote unit tests and performed **regression testing** to ensure high quality and less than 5% bug rate in new feature implementations
- Diagnosed high priority production issues and devised workarounds for emergency releases
- Awarded as Delivery Ninja for Q1-2021 at Infosys EASSAP RISE awards for completing deliverables on time

Software Engineer Trainee

December 2019 - April 2020

- Underwent training program to expertise in SAP ABAP to create **object-oriented** report programming, web dynpro, dialog programming, smartforms, SAPscripts, and user exits
 - Designed an invoice using SAPscripts in accordance with the customer's specifications
 - Debugged and completed **enhancements** on application issues in SAP SCM, OTC and FICO-Vistex ECC platforms
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PROJECTS

SMART HEALTH MANAGEMENT SYSTEM (JAVA, SWING, FIREBASE)

Course: Application Engineering Development

November 2021 - Present

- Created an application that shares users' health information tracked by smart watches to hospitals, labs and government
- Implemented feature of storing chats with doctors, sending notification via texts and email, and interactive data visualization by manipulating charts and graphs

SORTING AND BENCHMARKING FOR NATURAL LANGUAGE (JAVA)

Course: Program Structure and Algorithms

October 2021 – December 2021

- Benchmarked **stable sorting** of one million Chinese names with MSD Radix Sort and similarly with Dual-Pivot Sort, Quick Sort, LSD Radix Sort, Tim, and Husky
- Analyzed results to find MSD Radix Sort to be fast than others in the range of 10%-60%

3D ENVIRONMENT RECONSTRUCTION USING VISION SENSORS FOR ROBOTICS (PYTHON)

Savitribai Phule Pune University

July 2018 - March 2019

- Built an application using **OpenCV library** and creating a **3D environment** from images captured by stereo cameras mounted on remotely operated vehicles deployed by search and rescue teams
 - Achieved **87% accuracy** in viewing each object's position and depth from a remotely operated vehicle in a 3D environment
 - Published "Real-Time 3D Environment Reconstruction Using Vision Sensor for Robotics Application" | Journal of Emerging Technologies and Innovative Research (JETIR) | ISSN:2349-5162, Volume-6 Issue-4, April-2019
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CO-CURRICULAR ACTIVITIES

- Led the student committee's finance team (ACES) in 2018-19, managing transactions totaling 1 million of Indian Rupees
- Hosted technical events to teach programming languages, saving students up to 70% more money than private institutions
- Volunteered at the Rotaract Club organizing events and assisting with food delivery activities during Covid-19