

ANIRUDDHA SONAWANE

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EDUCATION

University of Illinois at Urbana-Champaign

Master of Science in Information Management

Champaign, USA
Aug 2024 – May 2026

Coursework: Sociotechnical Info Systems, Data, Statistical Models, and Information, Data Warehousing and Business Intelligence

Vishwakarma Institute of Information Technology

Bachelor of Technology in Computer Engineering

Pune, India
Aug 2017 – May 2021

Coursework: Object-oriented programming, Data structures and algorithms, Database Management System, Data Sciences

PROFESSIONAL EXPERIENCE

Veritas Technologies LLC

Software Engineer

Pune, India
Mar 2023 – Jun 2024

- Designed and implemented a robust distributed storage solution for Veritas' Cloud-Native offerings, directly impacting 87% of Fortune Global 500 customers by enhancing data accessibility and reliability in real-time.
- Developed comprehensive solutions for managing online configuration changes within a distributed storage system; streamlined processes contributed to increasing operational efficiency of transactions by automating 80% of command transmissions.
- Developed a system for bi-directional command transmission between storage entities, automating **80%** of operations.
- Mentored a cohort of 10 university students on advanced capstone projects, including 'Text to Pseudo Code Generation' and 'Chatbot for Academic and Career Guidance', leading to successful project completions with minimal oversight.

Associate Software Engineer

Jul 2021 – Mar 2023

- Engineered comprehensive solutions for error management that increased overall system stability and prevented critical failures on key processes; findings resulted in identifying three main causes of application crashes.
- Developed a RAID 1 block device using SPDK, enhancing block device throughput by over **4 times**.
- Developed detailed project plans outlining steps for integrating key improvements into current frameworks which targeted inefficiencies created by legacy technology, enhancing overall throughput rate dramatically.
- Conducted a detailed comparative analysis of **Linux LIO** and **SPDK NVMe over Fabrics** targets for remote storage access.

Software Engineer Intern

Jan 2021 – Jun 2021

- Extended **SPDK**-based user-space block device layer to expose files as NVMe devices over secure channels.
- Enabled remote storage access for containerized applications and used C, Python, Go, Shell Scripting, Docker, Kubernetes, CSI, SPDK library, NVMe-oF, and iSCSI.
- Ranked among the **top 5** interns in 2021, with a project selected for presentation at Veritas' annual event.

Exposys Data Labs

Software Engineer Intern

Remote
Jun 2020 – Jul 2020

- Created responsive and user-friendly web applications for a startup using HTML, CSS, and JavaScript to deliver engaging and interactive interfaces.
- Developed a **video chatting website** facilitating one-to-one communication, leveraging the Simple-peer library for video, audio, and text streaming.
- Designed user-friendly templates within Power BI that simplified complex data visualizations; findings helped address three major discrepancies identified during quarterly audits leading to streamlined operations team-wide.

PROJECTS

Project Guide Allocation System

- Engineered an efficient and user-friendly platform using VueJS and NodeJS; integrated with the college portal enabling seamless guide assignments that improved onboarding experience for over 200 students in one academic year.
- Spearheaded the integration of a college ERP system with the official portal, enhancing data synchronization and accessibility for over 2,000 students by leveraging expertise in VueJS, NodeJS, ExpressJS, and MySQL.

Sales Prediction

- Developed a model to predict sales based on the money spent on different marketing platforms, utilizing a Linear Regression model to establish the relationship between two variables with over **90%** accuracy.

TECHNICAL SKILLS

- Programming:** R, SQL, C, C++, Python, Shell Script, Golang
- Tools and Frameworks:** VueJS, NodeJS, MySQL, MongoDB, Cassandra, MS Office, Git, Github, JIRA, Bitbucket, VS Code
- Platforms and Technologies:** Windows, Linux, iSCSI, NVMe-oF, SPDK, Docker, Kubernetes