

Sarish Deotale

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Education

University of Illinois, Urbana Champaign

September, 2019–May, 2023

BS, Computer Science and Mathematics

Urbana Champaign, Illinois

- **GPA:** 3.88
- **Relevant Coursework:** System Programming, Data Structures, Algorithms and Models of Computations, Programming Languages and Compilers, Database Systems, Computer Architecture, Software Design Studio

Work Experience

- **Amazon**, Software Developer Engineer Intern **May, 2021–August, 2021**
 - ☐ Worked on the World Wide Delivery Experience team.
 - ☐ Designed and implemented a Python validation tool to log differences between expected translations and actual production translations for the Amazon delivery page CX.
 - ☐ Helped team find bugs in production string translations with tool before feature launch.
- **State Farm**, Actuarial and Modeling Intern **August, 2020–May, 2021**
 - ☐ Worked in the loss reserves group and used R to apply an ODP(over-dispersed Poisson) and a Mack ChainLadder model to estimate development of losses.
 - ☐ Used R Shiny to create a user-friendly GUI for users to apply models to specific data.
- **Abloh LLC**, Software Developer Intern. **June, 2020–August, 2020**
 - ☐ Worked in an Agile development environment to create a fully-functional cross platform application in React Native.
 - ☐ Integrated various APIs to provide different functionalities while maintaining a clean front end.

Projects

- **Wikispeedia (C++)**
 - ☐ Created a Wikispeedia application where the user is given a random starting and target Wikipedia page and has to reach the target page by choosing different pages to visit. Used the Floyd-Warshall shortest path algorithm to generate the most optimal path size with an iterative deepening Depth-First Search to print this path.
- **Image Altering App (C++)**
 - ☐ Used the OpenCV, Eigen, and Cinder-ImGUI libraries with the C++ Cinder framework to make a user-friendly GUI that allows the user to sharpen and compress images using different numerical methods such as a Laplacian filter and a SVD low-rank approximation.

Skills

- Proficient in C++, C, Java, Python, MySQL, MongoDB, Neo4j
- Familiar with Javascript, HTML, CSS, OCaml, React Native, MIPS, System Verilog, Bash, Rust, Haskell, and R

Links

- <https://github.com/notSarish>
- <https://www.linkedin.com/in/sarishd/>