

SHAUNAK SUNIL DEO

+1 (315) 728-0777 ♦ 856 Lancaster Avenue, Syracuse, NY

sdeo01@syr.edu ♦ <https://www.linkedin.com/in/shaunak-deo-71a3551a0/> ♦

EDUCATION

Syracuse University, Syracuse, New York.

Aug 2022 – May 2024

Master of Science in Computer Science.

GPA: 3.8/4

Relevant Coursework: Database Management Systems, Social Media and Data Mining, Operating Systems, Structured Programming and Formal Methods, Computer Architecture and Android Programming.

Vishwakarma Institute of Technology, Pune, Maharashtra.

Aug 2018 – Jun 2022

Bachelor of Technology in Computer Engineering.

GPA: 3.6/4

Relevant coursework: Data Science, Artificial Intelligence, Design and Analysis Of Algorithms, Automated Software Engineering, Computer Networks, Data Structures and Algorithms, Automata Theory, Statistics and Linear Algebra.

TECHNICAL SKILLS

- Programming: Python, Java, Kotlin, C++, C, JavaScript, Haskell.
- Web Development: React, HTML, CSS, Bootstrap, Json, XML, NodeJS, PHP.
- Databases: SQL, MongoDB, Firebase.
- Libraries and Frameworks: NumPy, Pandas, Matplotlib, Seaborn, scikit-learn, TensorFlow, OpenCV, Tableau.
- Other tools: Git, Jira, AWS, Junit, Selenium, Docker, REST APIs, Android Studio, Jenkins, Visual Studio, Linux.

EXPERIENCE

Software Engineering Intern

August 2021 - June 2022

PTC

Pune, Maharashtra

- Collaborated with the Arbortext team to ensure launch of XML editors, resulting in a 20% increase in user satisfaction.
- Designed and executed comprehensive test cases and created automation scripts from scratch for a new product deploying Selenium, Java and JavaScript to streamline deployment and testing processes.
- Implemented Jenkins Pipeline to automate build, test, and deployment processes, resulting in increased efficiency, reduced human error, and improved overall software quality.
- Contributed to daily scrum meetings to prioritize tasks, review progress, and identify and resolve any obstacles, contributing to efficient and effective delivery of software projects within tight deadlines.

Web Development Intern

May 2019 - June 2019

Janata Sahakari Bank Ltd.

Pune, Maharashtra

- Boosted operational knowledge and increased support for diverse office needs by assisting in Front End Web Development and Database Management, improving site performance by 30%.
- Streamlined day-to-day sustaining activities tasks by providing technical support in areas of debugging and bug fixing ensuring project success by leveraging best practices, Git, and Agile methodologies.

PROJECTS

SubTub - Android application for Sub Shift management

- Created and maintained an Android application aiming at managing job shifts, allowing real-time schedule updates and ensuring all users get access to most up-to-date information.
- Technology: Android Studio, Kotlin, Firebase, Google Maps API, YouTube API and Google Calendar API.

Malaria Detection Using Convolutional Neural Network

- Developed a system capable of identifying whether human cell is infected with malaria or not based on contours in cell images of patient utilizing deep learning with python.
- Technology: Deep Learning, CNN (VGG-19), Python, Tensorflow, matplotlib, Tkinter, Flask.

Liver Disease Prediction Using Machine Learning

- Implemented machine learning algorithms, including KNN, Decision Tree, SVM, and Logistic Regression, to predict liver disease in patients.
- Technology: Machine Learning, Python, NumPy, Pandas, Matplotlib, Seaborn, scikit-learn.

Full-Featured Recipe Web Application

- Developed a recipe web application featuring search and browse capabilities, personalized recommendations, and detailed recipes with ingredient lists with React.
- Technology: React, JavaScript, HTML, CSS, Spoonacular API.

PUBLICATIONS

- Co-authored and published a paper on KrishiMitra, an Android app for farmers, in the International Research Journal of Engineering and Technology (IRJET), Volume 08, Issue 04, Apr 2021, with e-ISSN: 2395-005.