

AKANKSHA DHOTE

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Education

New York University

Sep 2022 – May 2024

Master of Science in Computer Engineering; GPA : 3.94/4.0

New York, NY

Relevant Courses: Machine Learning, Deep Learning, Big Data, Data Structures and Algorithms

Pune Institute Of Computer Technology - University of Pune

Aug 2022 – May 2020

Bachelor of Engineering - Computer Engineering; GPA: 8.69/10.0

Pune, India

Relevant Courses: Artificial Intelligence and Robotics, Data Analytics, Data Mining and Warehousing, Advanced Data Structures, Database Management Systems, Design and Analysis of Algorithms

Experience

TheoremLabs.io

Jun 2023 – Aug 2023

Software Engineering Intern

New York, NY

- Collaborated with a cross-functional team to design and develop a responsive front-end interface using **React** and **Redux**, resulting in a 40% increase in user engagement.
- Constructed a robust back-end architecture with Node.js and Express, integrating RESTful APIs for seamless data interactions.

NYU Center for Data Science

Jul 2023 – Aug 2023

Teaching Assistant

New York, NY

- Guided students during the course of Data Science for Everyone and conducted practical lab sessions, recitations and office hours to improve their understanding of Data Science and Python.

UBS

Aug 2020 – Jun 2022

Software Engineer

Pune, India

- Developed a web application using **ReactJS**, **JavaScript**, **Java**, and **MySQL** to track and update progress of various project migrations and enabled users to create, edit, and retrieve project data.
- Wrote comprehensive unit and integration tests with **Jest**, achieving over **85% test coverage** and improving reliability.
- Collaborated with stakeholders to design screen using Storybook and increased user satisfaction by 30% by fixing bugs and optimizing API performance.
- Built, published, and customized visual monitoring tools with **Tableau**, including filters, parameters, and calculated fields which resulted in a 15% increase in operational efficiency.
- Created and virtualized automated Selenium tests using **Selenium hub** and **Docker**.
- Utilized Agile development cycle and improved **GitLab CI/CD** scripts to ensure error-free deployment.

Projects

SentimentScope: Deep Learning based Sentiment Analysis | Python, Tensorflow

- Performed pre-processing tasks such tokenization, stop-word removal, stemming and lemmitization on the text.
- Experimented with algorithms like Naive Bayes, SVM and Neural Networks to determine sentiment of the text.
- Implemented a CNN based model which extracted features from the word embeddings and gave the best accuracy of 87%.

Kreedo: Learning application for young minds | React Native, Django, MongoDB

- Collaborated with an NGO to conceptualize, plan, and develop an Android educational games application.
- Utilized React Native to create a visually appealing user interface, and leveraged Django to build a robust back-end, implementing user authentication, data storage, and API endpoints to facilitate smooth communication between the front-end and back-end.

TechJoin: Socio-Technical Portal for Connecting Technical Minds | Java Servlets, JSP, MySQL

- Developed a web application which connects people with similar technical interests with features like digital notice board for posting messages and announcements of relevant updates and discussion forum to communicate with all users.

Abode: A Rental Property Finder | Java, Firebase, Angular

- Built an android application to simplify the process of searching for rental properties which included features like posting details of property, wishlisting properties, google maps integration and chatting with owner.

Technical Skills

Languages and Libraries: Java, Python, JavaScript, ReactJS, C++, C, HTML/CSS, NodeJS, PyTorch, ExpressJS

Tools: Git, Docker, AWS, Tableau

Databases: MySQL, MongoDB, PostgreSQL, Oracle DB, Firebase.