

AKSHATA ASHOK JEDHE

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EDUCATION

Master of Science in Computer Science

Arizona State University

Coursework: Foundations of algorithms, Multimedia & Web Databases, Deep Learning, Software Security.

May 2025

Tempe, Arizona

GPA: 3.5

Bachelor of Technology in Computer Science

MKSSS's Cummins College of Engineering for Women

Coursework: Java Full Stack, Artificial Intelligence and Machine Learning, Software Engineering.

June 2022

Pune, India

GPA: 8.46

SKILLS

- **Programming Languages & Databases: Expert-** Java, Python **Intermediate-** Apex, R, C, C++, HTML, CSS, Javascript, MySql.
- **Tools/ Framework: Intermediate** - GIT, REST APIs, Salesforce CRM & CPQ, Angular Streamlit, BeautifulSoup, Scrapy, Flask, Android studio Rasa, TensorFlow.
- **Technical Skills: Intermediate** - Data Structures, Machine Learning, Deep Learning, Data Analysis & Visualization.

EXPERIENCE

Salesforce Technology Developer | *Salesforce CPQ, Salesforce CRM, Mulesoft, Apex, JavaScript, HTML*

PricewaterhouseCoopers Services, India

Jul'22 - Jul'23

Mumbai, India

- Spearheaded the implementation of SAP-Salesforce integration using MuleSoft, resulting in a **40% reduction in data synchronization time** and increased **sales team productivity by 25%**.
- Designed intuitive User Interfaces within the Salesforce platform to showcase retrieved data, **improving user experience and boosting data visibility by 50%**. Created and implemented various client-proposed functionalities utilizing CPQ Salesforce Technologies. Additionally, performed rigorous **Quality Assurance (QA)** and **System Integration Testing (SIT)**.
- Awarded '**Client Appreciation**' Silver Award for excellent performance at PricewaterhouseCoopers India.

Salesforce Technology Developer Intern | *Salesforce CRM, Mulesoft, Apex, HTML, CSS, JavaScript*

PricewaterhouseCoopers Services, India

May'21 - Jul'21

Mumbai, India

- Built user interfaces enabling retrieval of order details using order IDs and facilitating password changes for restricted users within Salesforce.
- Implemented functionality aimed to enhance security and optimize accessibility, **resulting in a 40% increase in user satisfaction** and streamlined order management processes.

Data Science Intern | *Machine learning algorithms – pandas, numpy, matplotlib, Scikitlearn, Scipy*

Cloud Counselage Pvt. Ltd., India

May'20 - Jul'20

Mumbai, India

- Developed a classifier with a **95% accuracy rate** to predict a student's eligibility for an internship program.
- Produced several data visualizations that significantly contributed to project insights and outcomes, resulting in improved decision-making

PROJECTS

Enhancing Single-Cell RNA Sequencing Analysis for Neurodegenerative Disease Research

Arizona State University

Jan'24-Apr'24

Tempe, AZ

- Conducted a research project to improve analysis techniques for Single-Cell RNA Sequencing in studying Alzheimer's, Parkinson's, and ALS, focusing on identifying specific markers and biological pathways.
- Developed data analysis pipelines for scRNA-Seq data to help identify potential targets and biomarkers for neurodegenerative diseases, aiming at more accurate diagnosis and targeted therapy development.

Image Analysis & Similarity-Based Retrieval | *PyTorch, torchvision, numpy, scipy, CP decomposition, DBScan*.

Arizona State University

Aug'23-Nov'23

Tempe, AZ

- Developed algorithms for dimensionality computation and latent semantic analysis, achieving a **90% precision-recall rate** for the Caltec101 dataset.
- Implemented m-NN, decision-tree, and PPR-based classifiers, with an image classification **accuracy of 90%**.
- Engineered a locality-sensitive hashing tool and an SVM-based relevance feedback system, with an **image retrieval efficiency of 89%**.

Conversational AI Platform - Natural Language Processing | *NLP Engine MySQL, FLASK, BeautifulSoup*

Cummins College Of Engineering

Aug'21 - Apr'22

Pune, India

- Implemented an NLP-focused intelligent virtual banking assistant as a capstone project, proficient in responding to FAQs and executing various functions, including call center and IT helpdesk integration, loan calculation, personalized reminders, and campaigns.
- Designed an Android app for the virtual assistant and integrated the system with Telegram and WhatsApp.

Carify - Machine Learning based Web Application | *Machine Learning, MySQL, Streamlit*

Cummins College Of Engineering

Sept'20 - Apr'21

Pune, India

- Built a web-based application as part of the Smart India Hackathon & Advanced Entrepreneur development course utilizing machine learning to predict automobile maintenance with an **accuracy rate of 92%**.
- It presented maintenance and health conditions of distinct car models or components and evaluated the probability of specific car parts needing replacement, determined by multiple parameters including region.
- Secured 2nd position among 50 teams in a university-wide competition & Qualified as "**Certified Potential Real Venture**" by a global jury conducted by Wadhvani Foundation.

PUBLICATIONS / CERTIFICATIONS & EXTRA-CURRICULARS

- Published Research Papers titled 'Carify - Predicting Car Maintenance Costs Using Artificial Intelligence' & 'Traffic Prediction for Intelligent Transportation System using Machine Learning'.
- Achieved an **85/100** score in the "**Programming in Python**" Microsoft Associate Technology certification.
- Actively participated and organized in the Cultural Club, leading and contributing to various events, including Art Exhibitions. Served as a Volunteer at ISSC providing support and guidance to international students and contributing to cultural exchange programs.

