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EDUCATION	
Master of Science in Computer Science, Indiana University Bloomington	08/2022 - 05/2024
Luddy School of Informatics, Computing, and Engineering (GPA: 3.9/4)	Indiana, USA
Bachelor of Engineering in Computer Engineering, Savitribai Phule Pune University Pimpri Chinchwad College of Engineering, Pune (CGPA: 9.44/10)	06/2018 - 05/2022 Pune, India
WORK EXPERIENCE	
Data Scientist, Project 990 Inc.	02/2024 - Present Indiana, USA
• Coordinated data extraction and analysis for Project990, utilizing natural language processing techniques to map the U.S. nonprofit sector's funding landscape.	muiana, USA
 Leveraged supercomputers like BigRed200 to process and analyze vast datasets, contributing to the development of a comprehensive foundation-grantee network. 	
Associate Instructor, Indiana University Bloomington	08/2022 - 05/2024
• Aided professors to deliver 60+ engaging lectures, lab sessions and facilitate 30+ discussions on Applied Machine	Indiana, USA
 Learning, Data Mining and Big Data, and Software Engineering Courses, reaching 400+ students. Advised complete academic assistance, including individualized guidance, review/grading sessions, and assignment marking, to enable students to achieve academic excellence. 	
Software Engineer Intern (Full Stack Web Developer), Sadhichi Wear Pvt. Ltd.	02/2021 - 01/2022
• Developed interactive web apps using ReactJS & NodeJS, ensuring seamless data management with SQL & Firebase.	Pune, India
• Coordinated with senior engineers to enhance performance, resulting in a 30% increase in total application speed.	
Performed web-based automated testing with Selenium, achieving a 95% test coverage. PUBLICATIONS	
Brain Tumor Image Enhancement Using Blending of Contrast Enhancement Techniques	05/2022
• Innovated a unique approach for enhancing brain tumor MRI images, blending state-of-the-art algorithms including	
BBHE, DSIHE, CLAHE, RESIHE, and MSRCR evaluated on factors like NIQE, PIQE, BRISQUE and Entropy.	(Springer – 3rd ICIPCN 22)
• Achieved significant success with the CLAHE + MSRCR combination, resulting in superior image enhancement and	1011 (11 22)
enhanced tumor visibility, as evidenced by a BRISQUE value of 29.805718 Empirical Study of Early Breast Cancer Detection using Machine Learning Techniques	07/2021
• Conducted a comprehensive review on early breast cancer detection techniques, while focusing on the effectiveness of	
machine learning prediction algorithms such as Support Vector Machine, Fuzzy C-Means, Random Forest, Decision	(Springer- 3rd ICICCS 21)
Tree, Naive Bayes, and Deep Learning Algorithms (Convolutional Neural Network), utilizing the Wisconsin feature	ICICCS 21)
based dataset for experimentation based on K-Fold Cross Validation methods with an overall accuracy rate of 95.61%	
PROJECTS PROJECTS	05/2022
 BeatBuddy (Music Recommendation System) Incorporated PRAW, BeautifulSoup, and APIs from Spotify, Twitter, and Last.fm for data scraping, performed data 	05/2023
analysis by cleaning and processing the gathered data ranging around 100k+ rows and 20 features. On processed data, implemented sentiment analysis by Natural Language Processing, content-based filtering (cosine	
similarity) & hosted on AWS EC2, utilizing K-means for efficient grouping of music items based on user behavior.	
Psychological Disorder Predictor and Consultor (Disorder Prediction and Consulting System)	04/2023
 Achieved an 89% accuracy rate in predicting disorders by formulating a binary dataset and employing advanced machine learning models (Random Forest, Decision Tree). 	
 Incepted a Tkinter-based software tool for symptom analysis and doctor recommendations, enhancing healthcare accessibility. 	
Smart Wastewater Reclamation (Wastewater Treatment Plant Management System)	07/2021
• Led a 5-member team, aiming for a 60% reduction in reliance on government oversight and facilitating real-time	
 monitoring and management of wastewater quality by hosting the system online using Streamlit and Firebase. Engineered a binary data representation and employed machine learning algorithms such as random forest and decision trees to predict wastewater purity with 90.6% accuracy. 	
HanabiYuga (Event Management System)	11/2020
• Spearheaded a team of 4 to create an event management app by Agile method, allowing users to search and book events.	
• Executed tools for hosts to oversee events and chat functionality, resulting in a 20% increase in user engagement.	
 Incorporated SMTP for notifications and leveraged OAuth to guarantee ironclad security during authentication. AWARDS 	
• Winner (OnCampus Level), Finalist, IdeaIn10 Presentation Competition Round (Pune), United Kingdom for Smart	12/2021
Wastewater Reclamation	09/2021

Finalist, Tech Infusion Grand Challenge, Australia for Smart Wastewater Reclamation **SKILLS**

09/2021

- **Programming Languages:** C (OOP), C++, Python, Java, R Programming (Basics)
- Web Technologies: HTML, CSS, ReactJS, JavaScript, jQuery, Bootstrap, XML
- Database: RDBMS, MySQL, MongoDB, Firebase, Neo4j, PHP
- Additional: Android Studios, Matlab, Flask, Docker, RESTful APIs, Apache, AWS, EC2, Git, JIRA, Azure, Postman, Statistics