SNEHA SONKUSARE

+1(774)8490462 | ssonkusare@umassd.edu | www.linkedin.com/in/sneha-sonkuare | https://github.com/snehasonkusare-tech

SUMMARY

Data Science graduate student with 2+ years of IT experience in machine learning, predictive modeling, and data analysis. Skilled in Python, R, SQL, and cloud platforms (AWS, Azure). Adept at developing end-to-end analytical solutions, deploying ML applications, and collaborating with cross-functional teams to drive data-driven decisions. Passionate about leveraging AI/ML for impactful solutions.

EDUCATION

- **University of Massachusetts Dartmouth** — Massachusetts, USA
  Master's in Data Science | CGPA :3.7/4 — *Expected May 2025*
  Relevant Coursework: Mathematical Statistics, Machine learning and AI, Computing and Algorithm, Database Design, Big Data
- MIT Art, Design and Technology — Pune, India
  Bachelor of Engineering- Electronics and Communication | CGPA:7.57/10 — *July 2017-May 2021*
  Relevant Coursework : Machine Learning, Soft Computing , Database design

SKILLS

- **Languages :** Python, R, Java, C++, SQL, NoSQL, JavaScript
- **AI / ML**: Pandas, Keras, Scikit-learn, TensorFlow, OpenCV, Seaborn, PCA, Clustering, NLP, Time Series Analysis
- **Database Technologies:** MySQL, MongoDB, CosmosDB, DynamoDB.
- **Other**: Excel, PowerBI

CERTIFICATIONS

- Microsoft Certified: Azure 900 — ***March 2022***
  https://learn.microsoft.com/en-us/users/snehasonkusare-7378/transcript/7o5j9bk111lx0pz

EXPERIENCE

Hexaware Technologies LTD — **Mumbai, India**
Associate Software Engineer — *September 2021- January 2024*

- Developed and optimized ML models for anomaly detection and root cause analysis, improving system efficiency by 40%, reducing false alarms by 30%, and accelerating incident resolution by 50%, leading to a 20% reduction in downtime and cost savings.
- Designed and implemented function-based and semi-supervised labeling strategies, enhancing predictive model accuracy by 35%, reducing labeling effort by 50%, and improving model reliability, leading to better decision-making and operational efficiency.
- Led data science initiatives, leveraging Python, SQL, and Spark to analyze large-scale datasets and drive business insights.
- Conducted A/B testing and iterative validation to refine model performance based on real-world feedback.
- Collaborated with cross-functional teams to deploy predictive algorithms into production environments on cloud platforms.

iBase Technology — **Pune, India**
Software Intern — *December 2020 - August 2021*

- Developed and deployed K-Means clustering and Random Forest classification models, uncovering key customer segments and improving targeted marketing strategies. This led to a 25% increase in customer engagement and a 15% boost in sales conversion rates, driving significant business growth.
- Designed scalable MySQL databases, improving query performance and data integrity in production environments.
- Optimized deep learning algorithms in Python, enhancing computational efficiency and predictive performance.

Neurapses Technology — **Remote**
Web Developer — *July 2020 -December 2020*

- Optimized ReactJS web apps, improving efficiency by 35% with component-based architecture, Hooks, Context API, and React Router.
- Enhanced UIs with HTML5, CSS3, and JavaScript, boosting engagement by 40% through responsive layouts and real-time updates via Axios.
- Increased user interaction by 50% using Framer Motion and improved performance by 30% with code splitting, lazy loading, and asset optimization.

PROJECTS

Skin Cancer Detection — ***January 2024***

- Developed a machine learning pipeline to classify skin lesions as benign or malignant using Logistic Regression, Random Forest, and SVM.
- Incorporated PCA for dimensionality reduction, achieving high accuracy and enhanced computational performance

Admin Dashboard — ***August 2024***

- Designed a React.js dashboard with D3.js visualizations to cluster and analyze large document datasets.
- Built a backend using Node.js and MongoDB for real-time data retrieval and clustering logic.