

Sreya Sukhavasi

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EDUCATION

Master of Science in Computer Science

Jan 2022 - Dec 2023

Arizona State University, Arizona, USA.

GPA: 4.0/4.0

Coursework: Distributed Database Systems, Data Mining, Software Verification & Validation, Semantic Web Mining.

Bachelor of Technology in Computer Science

Jul 2017 - Jun 2021

Amrita Vishwa Vidyapeetham, Kerala, India.

GPA: 3.3/4.0

Coursework: Data Structures and Algorithms, Object-Oriented Programming, Database Management System, Computer Networking, Operating Systems, Software Engineering, Natural Language Processing, Machine Learning.

TECHNICAL SKILLS

Programming Languages: Java, C++, JavaScript, Python, C, R, Bash, Scala.

Front-End: React JS, PHP, HTML, CSS, Bootstrap, JSP.

Framework: Spring Boot, Node JS, REST, .NET, Angular, Django, Flask, Express JS, Apache Spark, Hadoop, JUnit.

Tools: AWS (EC2, ECS, IAM, Amplify, CloudWatch, Lambda, API Gateway, S3), GCP, Azure, Jira, Postman, Cypress, Docker, Git.

Databases: SQL (MySQL, PostgreSQL, Oracle), NoSQL (MongoDB, DynamoDB).

PROFESSIONAL EXPERIENCE

ZS Associates, Pune, India: Decision Analytics Associate

Jul 2021 - Dec 2021

- Engineered a full stack application using Java and React JS, delivering tailored features score, and achieving an engagement index greater than 75%, resulting in an improvement in the model performance.
- Built a tool to monitor 15 products' latest business alignments, improving ease of tracking and incorporating necessary channels and content for respective products, especially useful during quarterly revisits of model retraining.
- Revamped legacy R code to Python, enhancing functionality and performance, reducing data check time by 0.5. Structured the Affinity Predictor app for CCM-Merck, predicting channel and content affinity, boosting sales by 17%.

ZS Associates, Pune, India: Associate Intern

Jan 2021 - Jun 2021

- Developed an end-to-end application using Java to facilitate Business analysis through interactive data visualizations, providing insights and enabling a 60 percent improvement in data-driven decision-making.
- Implemented service tools for business alignments and data requests, resulting in a 60 percent reduction in requests.
- Automated a data validation application and slashed manual effort by 40% by automating the process of verifying the accuracy and completeness of extracted data from the S3 bucket, improving the efficiency of business analysis.

PROJECTS

New York City Taxi Ride Time Analysis

Jan 2022 - Mar 2022

- Processed Spatio-temporal big data with Spark in the Hadoop cluster to identify NYC's top pick-up areas from taxi drop-off data, resulting in a 40% increased pick-up rate and 80% faster processing.

Handwritten Digit Recognition System

Mar 2021 - May 2021

- Programmed a Convolutional Neural Network (CNN) based hand digit recognition system utilizing TensorFlow, Keras, NumPy, Pandas, Scikit-learn, and Matplotlib achieving 96% accuracy on the MNIST dataset.

Online Car Parking System

Aug 2017 - Dec 2017

- Engineered a Java web app, providing real-time parking space monitoring, reservations, and payment options.
- Incorporated 2 advanced features such as user authentication, and space availability notifications for regular users.

ACADEMIC RESEARCH

Arizona State University, Tempe, AZ: Coding and Research Aide

May 2022 - Present

- Streamlined a MERN website (Science-Of-Me) hosting 7 admin-created cognition experiments for Noble Laureate Dr. Leland Hartwell, utilizing MongoDB, Express.js, React, and Node.js, with deployment on AWS Amplify.
- Championed user centric feature development, enabling personalized experiment versions, resulting in an 87% user engagement increase and fostering interactivity and collaboration.

CERTIFICATIONS

1) Postman API Fundamentals Student Expert

Jul 2023

2) Machine Learning

Aug 2020

3) Fundamentals of Deep Learning for Computer Vision

Oct 2019