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, Software Requirements & Specs.

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 full-stack app (Java, React JS) with tailored features, achieving 75% engagement. Leveraged AWS S3, API Gateway, Lambda, DynamoDB, and CloudWatch for seamless integration and monitoring.
- Built a tool to monitor 16 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 62 percent reduction in requests.
- Automated a data validation application and slashed manual effort by 53% 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 47% increased pick-up rate and 83% faster processing.

Handwritten Digit Recognition System **May 2021 - Jun 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 **Jan 2021 - Apr 2021**

- Engineered real-time parking management, reservations, and efficient data handling by utilizing Spring for CRUD operations on an Oracle DB. Reduced retrieval times by 41% for an enhanced user experience.
- Enforced secure credit card processing, leading to a 36% increase in online transactions for seamless payment experiences.

ACADEMIC RESEARCH

Arizona State University, Tempe, AZ: Coding and Research Aide **May 2022 - Present**

- Streamlined a Full Stack REST API-based web app, hosting 14 admin-created cognition experiments for Noble Laureate Dr. Leland Hartwell, utilizing MongoDB Atlas, Express.js, React, and Node.js, with deployment on AWS EC2.
- Orchestrated agile methodology, communicated with stakeholders to meet requirements, and executed personalized experiment versions, yielding an 87% surge in user engagement.

CERTIFICATIONS

1) Postman API Fundamentals Student Expert **Jul 2023**
2) Machine Learning **Aug 2020**
3) Fundamentals of Deep Learning for Computer Vision **Oct 2019**