

KAJA SAI SREEKAR

GRADUATE STUDENT

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EDUCATION

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| Kennesaw State University <i>Master of Science in Computer Science (Current)</i> | 2022-2024 |
| Indian Institute of Technology Madras (IIT Madras), Chennai <i>B.Tech. in Mechanical Engineering and M.Tech. in Intelligent Manufacturing CGPA: 7/10</i> | 2020 |
| Sri Chaitanya Junior College, Raman Bhavan, Vijayawada <i>Class XII (Board of Intermediate Education Andhra Pradesh) Percentage: 96.2</i> | 2015 |
| Dr. KKR's Gowtham International School, Vijayawada <i>Class X (Andhra Pradesh Board of Secondary Education) CGPA: 9.5/10</i> | 2012 |

RELEVANT COURSES

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| ➤ Introduction to Programming | ➤ Data Structures and Algorithms using Python | ➤ Data Science | ➤ AI in Manufacturing |
| ➤ Probability and Statistics | ➤ Machine Learning | ➤ Automation in manufacturing | ➤ Microprocessors in Automation |
| ➤ Theory of Computation | ➤ Database Systems | | ➤ Mathematical Structures |

SKILLS

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| ➤ Technologies: Spring boot, Kafka, Solace, OracleSQL Developer, Bitbucket, Maven, Jenkins, STS, IBM AppScan, React JS, Elastic, OCP, JasperSoft, Jira | ➤ Programming Languages: C, Python, R, Java, JavaScript |
| ➤ Machine Learning Packages: scikit learn, pandas, tensorflow, keras, numpy | ➤ Software: CREO, MATLAB, Azure ML, SAS, Hadoop, Databricks, Postman, Swagger |
| ➤ Operating Systems: Windows, Linux, Ubuntu | ➤ Data Visualization Tools & Libraries: Matplotlib, ggplot, Tableau |

RELEVANT PROFESSIONAL EXPERIENCE

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| ➤ Developer - Technology & Innovation Standard Chartered GBS Aug'20 - July'22 <ul style="list-style-type: none">As a Techno Banker, I majorly contributed to developing Banking Systems and Payment applications using relevant full-stack technologies.Developed three Microservices connected with messaging technologies such as Kafka and Solace that implemented crucial functionality to enhance the customer experience system. and Developed unit test cases and design documents.Involved in User story analysis and Functional requirements, Release Acceptance activities which involve Review of Design, Code, and implementation, App Install Documentation.Performed as a Defect coordinator by coordinating with the concerned teams and arriving at a fix for the defect during System/UAT testing phase and prod support.Worked on developing models for scorecards majorly using SAS. Automated scoring and monitoring codes using macros and SQL queries for data management and analysis in SAS.Guiding new recruits to understand existing Fin-Tech and banking infrastructure to prepare them ready for their roles |
| ➤ Machine Learning & Data Analyst Intern Edarlabs Learning Pvt Ltd June'19- July'19 <ul style="list-style-type: none">Transformed collected customer data to structured format and performed data cleaning.Performed Exploratory Data Analysis (EDA) on the data and Built an ML model to segment product acceptance levels of various customers.Prepared DataFrame from collected data and Used K-means clustering and elbow method to group customers,Selected potential customers and ranked them based on product acceptance level. Created PowerPoint presentations with relevant visualizations to detail potential customers to be targeted by certain products. |

ACADEMIC & GITHUB PROJECTS

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| ➤ Customer Churn Prediction <ul style="list-style-type: none">Built a model to predict customer churn and to help companies engage the customers likely to churn.Used 3 hidden layer neural networks. Extracted important features and performed AUC & ROC analysis of the model built.Used confusion matrix to interpret the output. achieved 86.9% accuracy and 85% AUROC. |
| ➤ Loan Data Prediction <ul style="list-style-type: none">Predicted defaulters in customers using the Logistic Regression model.Used techniques such as univariate, bi-variate, and multivariate analysis and understood the relationship between the variables, missing value treatment, and imputation of missing values.Used multicollinearity analysis to understand the highly correlating variables and confusion matrix to interpret the output. |

| <p>➤ NBA analysis</p> <ul style="list-style-type: none"> Formatted 5 Data frames from raw data collected using rbind in R. Created visual aid using matplotlib for FieldGoalAttempts, FieldGoals, Games, MinutesPlayed, Salary of NBA players over seasons. Analyzed the performance of players over seasons, based on their ups and downs using data visualization tools. |
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| <p>➤ ZS Data Science Problem July'19</p> <ul style="list-style-type: none"> Built multiple models to predict successful goal attempts by Cristiano Ronaldo; Top 7% among all entries. Performed pre-processing which involved cleaning of data, data imputation techniques for missing data. Compared classification models with Logistic, ANN, Random Forests, & SVM techniques and AUC & ROC analysis of models. Performed Regression analysis on extracted features and achieved a score of 0.828, score=1/(1+MAE). |
| <p>➤ Age and Gender estimation Jan'19-May'19</p> <ul style="list-style-type: none"> Applied transfer learning on a wide ResNet model on the IMDB-wiki dataset for age and gender estimation from a photo of the face of a person. Pre-trained WideResNet by adding two layers (softmax as last layer) for both age and gender estimation. Data augmentation methods such as mixing, erasing were used to remove overfitting and obtained a validation loss of 3.731. |
| CERTIFICATIONS & TECHNOLOGIES |
| <p>➤ Diploma in Data Science Naresh / Technologies 2019</p> <ul style="list-style-type: none"> Python & R programming concepts, Data architecture, Big Data Distributed Computing and Complexity, Hadoop, RDBMS, Map-Reduce Framework, data cleaning; Infographics, Data Visualization, spatial analysis, analytics concepts, Exploratory data analysis (EDA). Statistics including applications of hypothesis testing, ANOVA, correlation and Regression; Machine Learning algorithms, supervised & unsupervised learning, Sentimental analysis; Intro PIG, Hive, Apache Spark. <p>➤ Premiere Campus Induction Program Axxess Academy 2020</p> <ul style="list-style-type: none"> Conceptualize project mockups and wireframes, Agile, Jira Usage - Epic, Story and Task creations, Architect component-based UI leveraging React, Project implementation, and integration of projects. HTML, CSS, Bootstrap, JavaScript, Nodejs, ReactJS, JSON, Git & BitBucket, XML, PostgreSQL, Rest API development, spring boot, React Router, Jenkins and VX pipeline. <p>➤ Core Java Naresh / Technologies 2020</p> <p>➤ JavaScript Naresh / Technologies 2020</p> |
| POSITIONS OF RESPONSIBILITY |
| <p>➤ Teaching Assistant Mechanical Engineering Department IITM 2019-2020</p> <ul style="list-style-type: none"> Guided and Taught Undergraduate students to perform machining and experiments in their Lab course. Attended Invigilation duties for departmental course exams during mid and end semesters. |
| <p>➤ SPONSORSHIP COORDINATOR –MECHANICA 2017</p> <ul style="list-style-type: none"> Streamlined sponsorship procedure by targeting Automotive companies; Retained 85% of the previous Sponsors. Contributed 1.25 lakhs for incremental sponsorship; increased participation via associations for coupons and merchandise. |
| <p>➤ Coordinator , Hospitality SAARANG 2017</p> <ul style="list-style-type: none"> SAARANG is the annual cultural festival of IIT Madras spanning over 4 days with an estimated footfall of 75000 Coordinated with a team of 24 to manage crowd movement across the festival. Managed and guided people from the front registration desk to events and payments to accommodation. Managed over 1000 people per day such as sponsors, participants, and audience. |
| <p>➤ Coordinator, Hand Gesture Robotics- Events SHAASTRA 2017</p> <ul style="list-style-type: none"> Planned and conducted the first-ever Hand gesture robotics event in India. Designed a 3D arena model in PTC CREO and led the team to build a physical arena. Created concept and problem statement. Got 20 successful registrations from other IITs. |
| VOLUNTEERING ACTIVITIES |
| <p>➤ NSS Volunteer IIT MADRAS Railtel project July'15-May'16</p> <ul style="list-style-type: none"> Created content and recorded video modules in English and local language related to basic computer applications that people can use in their daily lives. Also recorded videos related to the C language in order to inspire children to take up programming. Visited schools and social organizations to get our material to as many people as possible. |
| ADDITIONAL INFORMATION |
| <p>➤ Languages: English, Telugu, Hindi</p> <p>➤ Hobbies: Farming, Badminton, Swimming, Gym</p> |