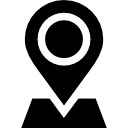
# **KAJA SAI SREEKAR** [sreekarkaja111@gmail.com](mailto:sreekarkaja111@gmail.com)

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| **EDUCATION** | | | |
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| **Kennesaw State University** *2022- Present*  *Master of Science in Computer Science | (Current) | CGPA: 3.7*  **Indian Institute of Technology Madras (IIT Madras), Chennai** *2020*  *B.Tech. in Mechanical Engineering and M.Tech. in Intelligent Manufacturing | CGPA: 7.0*  **Sri Chaitanya Junior College, Raman Bhavan, Vijayawada** *2015*  *Class XII (Board of Intermediate Education Andhra Pradesh) | Percentage: 96.2*  **Dr. KKR’s Gowtham International School, Vijayawada** *2012*  *Class X (Andhra Pradesh Board of Secondary Education) | CGPA: 9.5* | | | |
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| **RELEVANT COURSES** | | | |
| * Introduction to Programming * Probability and Statistics * Theory of Computation | * Data Structures and Algorithms using Python * Machine Learning * Database Systems | * Data Science * Automation in manufacturing | * Artificial Intelligence * Microprocessors in Automation * Cloud Computing |
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| **SKILLS** | | | |
| * **Technologies:** Spring boot, Kafka, Solace, OracleSQL Developer, Bitbucket, Maven, Jenkins, STS, IBM AppScan, React JS, Elastic, OCP, JasperSoft, Jira * **Machine Learning Packages**: scikit learn, pandas, tensorflow, keras, numpy * **Operating Systems:** Windows, Linux, Ubuntu | | * **Programming Languages:** C, Python, R, Java, JavaScript * **Software:**  CREO, MATLAB, Azure ML, SAS, Hadoop, Databricks, Postman, Swagger, SPSS * **Data Visualization Tools & Libraries:** Matplotlib, ggplot, Tableau | |
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| **RELEVANT PROFESSIONAL EXPERIENCE** | | | |
| * **Developer - Technology & Innovation| Standard Chartered GBS |Aug’20 - July’22** * As a **Techno Banker**, I majorly contributed to developing **Banking Systems and Payment applications** using relevant full-stack. * 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. * Developed scorecard models in SAS, automated scoring, and used macros/SQL for data management and analysis. * Mentored and facilitated the successful integration of campus hires into the team, kickstarting their careers. | | | |
| * **Graduate Research Assistant | Kennesaw State University |Aug’22 - Present** * Collaborated with 2 professors as a Graduate Research Assistant (GRA) to study student behavior across multiple semesters, utilizing SPSS for statistical analysis. * Conducted data collection, preprocessing, and applied descriptive statistics using SPSS to extract insights from the data. * Actively engaged in the development of predictive models using various M.L algorithms in conjunction with SPSS. * Presented research paper at the SOTL Summit Conference, sharing key findings & insights with peers and experts in the field. | | | |
| * **Machine Learning & Data Analyst Intern| Edarlabs Learning Pvt Ltd | June’19- July’19** * Preprocessed customer data, including cleaning and EDA, and built an ML model for product acceptance segmentation. * Prepared DataFrame from collected data and Used **K-means** clustering and **elbow method** to group customers, * Identified and ranked potential customers by product acceptance, created detailed PPTs, and pitched to investors for funding. | | | |
| **ACADEMIC & GITHUB PROJECTS** | | | |
| * **Customer Churn Prediction** * 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** * **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. | | | |
| * **NBA analysis** * Formatted **5 Data frames** from raw data collected using **rbind** in **R**. * Created **visual aid** using **matplot** 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. | | | |
| * **ZS Data Science Problem | July’19** * 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)**. | | | |
| * **Age and Gender Estimation | Jan’19-May’19** * 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** | | | |
| * **Diploma in Data Science | Naresh *i* Technologies | 2019** * 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. * **Premiere Campus Induction Program | Axess Academy | 2020** * 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. * **Core Java | Naresh *i* Technologies | 2020** * **JavaScript | Naresh *i* Technologies | 2020** * **Certified in Ethical Research:** Successfully completed CITI Program's training in "IRB Member" and "Social, Behavioral, and Educational Research with Human Subjects" in January 2023. | | | |
| **POSITIONS OF RESPONSIBILITY** | | | |
| * **Teaching Assistant | Mechanical Engineering Department |IITM 2019-2020** * 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. | | | |
| * **SPONSORSHIP COORDINATOR** –**MECHANICA 2017** * 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. | | | |
| * **Coordinator , Hospitality | SAARANG 2017** * **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. | | | |
| * **Coordinator, Hand Gesture Robotics- Events| SHAASTRA 2017** * 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 across India. | | | |
| **VOLUNTEERING ACTIVITIES** | | | |
| * **NSS Volunteer IIT MADRAS| Railtel project | July’15-May’16** * 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** | | | |
| * **Languages:** English, Telugu, Hindi, * **Hobbies:** Farming, Badminton, Swimming, Gym, Hiking, new adventures (kayaking, sword fighting, zumba), Trying out new tech. | | | |