Samatham Jayanth Kumar

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EDUCATION

2022 - 2026	B.Tech in Computer Science AI-ML at **SRM University AP**	(GPA: 8.97/10.0)
2020 - 2022	Class 12th in B.I.E.A.P at **Chaitanya Junior College**	(GPA: 969/1000)

WORK EXPERIENCE

Machine Learning Intern- Edunet Foundation   Jun 2024 - july 2024

- Developed a predictive model using **Linear Regression** to estimate employee burnout scores from real-world HR datasets, achieving an R^2 score above 0.85; evaluated performance using MSE, MAE, and R^2 metrics for statistical reliability.

PROJECTS

Asset Management System   Link

- Developed RESTful APIs with **Express.js** and **MongoDB** using modular routing and Mongoose schemas, and implemented a service suggestion engine for preventive maintenance alerts.
- Designed and executed automated API tests using Postman to validate backend services for asset creation, vendor assignment, and maintenance scheduling, ensuring functional correctness and response reliability.

Car Rental System   Link

- Integrated **Firebase** authentication and **Firestore** with payment gateway (**Razorpay**) on the backend, handling secure transactions and real-time database updates.

Sentimental Analysis On Tweets

- A machine learning application to classify tweets into three categories: Sad, Neutral, and Happy.
- Performed end-to-end text data preprocessing—including sentiment mapping, normalization, tokenization, and feature extraction using CountVectorizer and **TF-IDF** and trained machine learning models (**Naive Bayes**,**Logistic Regression** , **Linear SVC**), achieving 87.5 accuracy .

Deep Learning–Based Animal Image Classifier using ResNet-18   Link

- Developed a high-accuracy image classification model using **ResNet-18** with **Transfer Learning**, implementing data augmentation, feature extraction, and fine-tuning of the final layers, achieving 96

CERTIFICATIONS

- MongoDB Node.js Certified Associate Developer
- Agile Project Management by Google

SKILLS

Programming Languages:	Java, Python, JavaScript.
Libraries/Frameworks:	React.js, Node.js, Express.js, HTML5, CSS3,Next.Js.,PHP
Developer Tools:	Git, VS Code, Postman, Canva, ThunderClient, N8n.
Databases:	MySQL, MongoDB,Google FireBase.
Testing:	Selenium.
CourseWork:	Data Structures and Algorithms,OOPS,Operating Systems,Computer Networks,DBMS.

ACHEIVEMENTS

- Acheiveed a rank of 5178 in EAMCET