

# SHIRESHA N

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## EDUCATION

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|---------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| <b>Karpagam College Of Engineering[CGPA : 8.5]</b><br><i>Bachelor of Technology in Artificial Intelligence and data Science</i> | Coimbatore, TamilNadu<br>SEP 2023-JUNE 2027 |
| <b>Parimalam.Matric.Hr.Sec.School [ Percentage : 89%]</b><br><i>Bio-Maths</i>                                                   | Hosur , TamilNadu<br>JUNE 2022-APR 2023     |

## PROJECTS

### Spam News Detection / Machine learning , Scikit-learn , Flask

- Developed a machine learning model using Scikit-learn to classify news articles as spam or real based on structured data features.
- Implemented data preprocessing, feature selection, and trained models like Naive Bayes and SVM to achieve accurate classification results.

### Mental Burnout-Risk Analyser / Machine Learning , Scikit-learn , Flask

- Designed a machine learning model using Scikit-learn to predict mental burnout risk levels based on user input such as work hours, sleep, and stress indicators.
- Built a Flask web application with a user-friendly interface to collect inputs and display personalized burnout predictions with suggestions.

### Student Management System / Java , Spring Boot

- Developed a CRUD-based web application using Spring Boot to manage student records, including registration, updates, and course assignments.
- Integrated RESTful APIs with MySQL database and implemented MVC architecture for organized and scalable backend development.

### Math Chatbot / Python , Flask

- Created an interactive Flask-based chatbot that solves mathematical problems such as mean calculation, linear regression, and matrix operations.
- Implemented modular Python functions for backend logic and designed a simple web interface for real-time user interaction and output display.

## SKILL SUMMARY

|                        |                                                                                                                                 |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>Languages</b>       | : Python , Java , SQL , HTML , CSS , JavaScript                                                                                 |
| <b>Libraries</b>       | : Scikit-learn , Pandas , NumPy , SpringBoot , Hibernate , Matplotlib , Keras                                                   |
| <b>Developer Tools</b> | : Git , GitHub , DVC , Docker , Jenkins , Visual Studio , PostgreSQL, MySQL , Flask , Google colab , Jupyter Notebook , Eclipse |
| <b>Others</b>          | : Data Structure and Algorithm , Object Oriented Programming , Machine Learning DBMS , MLOps                                    |
| <b>Soft Skills</b>     | : Leadership , Teamwork , Communication , Time Management , Problem-solving                                                     |

## CERTIFICATES

|                                                           |                     |
|-----------------------------------------------------------|---------------------|
| • <b>Qlik Sense Business Analyst</b> / Qlik               | OCT 2024-NOV 2024   |
| • <b>Leadership and Team Effectiveness</b> / Nptel[Elite] | JAN 2024-MARCH 2024 |
| • <b>Python for Data Science</b> / Nptel [Elite]          | JULY 2024-AUG 2024  |

## EXTRACURRICULAR ACTIVITIES

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|------------------------------------------------------------------------------|--------------------|
| Overall Co-Ordinator of Dhruva, Techfest, KCE.                               | MARCH 2025         |
| Completed a internship with Plasmid in the domain of Artificial Intelligence | JULY 2024-SEP 2024 |
| Participated in Paper Presentation and Hackathon competitions.               |                    |