



# MANIKANDAN S

✉ s.manikandan2536@gmail.com

☎ +91 9994457393

📍 Kodihalli, Bangalore - 560008

🌐 [www.linkedin.com/in/manikandan-s-469168200](https://www.linkedin.com/in/manikandan-s-469168200)

## EDUCATION

B.E in Computer science and Engineering

**Kathir college of Engineering**

(2019 - 2023)

Higher secondary course

**GHSS Dharmapuri**

(2018 - 2019)

## SKILLS

- Python
- Machine Learning and types.
- Data Analysis: Exploratory Data Analysis (EDA), Data Preprocessing.
- Modeling & Evaluation: Cross-Validation, GridSearchCV, Dimensionality Reduction (PCA, LDA)
- Visualization Tools: Seaborn, Matplotlib, Tableau, Google Data Studio.
- Libraries & Frameworks: Scikit-learn, Pandas, NumPy

## LANGUAGE

English

Tamil

## About Me

I work in the Application Management team, using Python scripting and automation to streamline operations, reduce manual tasks, and improve platform reliability with AI tools like Watchdog. I'm building expertise in Machine Learning and Data Science, with experience in regression, classification, clustering, and EDA. My skills include data preprocessing, feature engineering, model tuning with Cross-Validation and GridSearchCV, dimensionality reduction and libraries like Scikit-learn, Pandas, and NumPy.

## WORK EXPERIENCE

Feb 2024 – Present

### Application Management Team

- Monitor infrastructure and ensure high availability in production environments.
- Manage servers and provide application support, including deployment and patching activities.
- Develop Python scripts and automation tools to streamline daily operations and reduce manual tasks.
- Enhance platform reliability and system efficiency by leveraging AI-based monitoring tools like Watchdog.

## PROJECTS

### AI driven – Kidney disease prediction

Kidney disease prediction using lab report data in classification learning of ML.

<https://github.com/Mani36Cse/Machine-learning-/tree/main/Classification/Chronic%20Kidney%20Disease%20prediction>

### Students placement data analysis

Analyze student academic data to explore what factors influence placement and salary.

<https://github.com/Mani36Cse/Data-Science-/tree/main/DS/Bivariate%20Analysis/Data%20Science>

## CORE COMPETENCIES

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- Machine Learning: Supervised & Unsupervised Learning
- Regression Analysis
- Regression, Classification, Clustering Algorithms
- Dimensionality Reduction: PCA, LDA
- Data Preprocessing
- Model Evaluation & Tuning: Cross-Validation, GridSearchCV
- Data Visualization: Matplotlib, Seaborn, Plotly
- Python Programming for Data Science
- Libraries & Tools: NumPy, Pandas, Scikit-learn
- Exploratory Data Analysis (EDA)

## ACHIEVEMENT

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Silver medal in National level Boxing

## HOBBIES

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- Travelling
- Working out
- Boxing
- Watching Movies and web series