

Vinay Kumar

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TECHNICAL SKILLS

Technologies: Python, Java, JavaScript, Html, CSS, SQL

Core: Data Structures & Algorithms, Object Oriented Programming, DBMS, Operating System, AI, ML

Database: MySQL, MongoDB

Visualization Tools: Power BI, Tableau

Developer Tools: GitHub, VS Code, Spring Tool, Jupyter Notebook.

PROJECTS

[Heart Disease Prediction Web Application](#) | Python, HTML, Flask, ML Algorithms

August 2024

- **Machine Learning:** Trained an **ensemble model** combining Logistic Regression, Random Forest, Decision Tree, SVM and KNN for robust predictions.
- **Web development:** Developed a **Flask backend and HTML frontend** for user interaction, deployable in VS Code.
- **Data visualization and Preprocessing:** Created visualizations like age distribution plots using **Matplotlib** and **Seaborn** and handled dataset cleaning, scaling, and splitting for model training.

[Placement Management System](#) | Java, Spring Boot, MySQL, Postman

January 2025

- Implement **CRUD** (Create, Read, Update, Delete) operations using **Java** as the backend programming language on Spring Boot.
- Utilized **MySQL** relational database for the database connectivity.
- Leveraged **Postman software** as the interface for sending and retrieving data.

ACHIEVEMENTS and EXTRACURRICULAR

- Secured **1st place** as a part of 3-member team in in National Level Hackathon **WIE CODE** organized by **IEEE Bangalore Section** in SIT, Tumkur.
- Participated in the **24-hour National Level Hackathon 2024** organized by Shridevi Institute of Engineering and Technology, presenting the project "EMPATh" aimed at revolutionizing mental health.
- Successfully completed **Full-Stack Development Training** with **TNS India Foundation**, specializing in **Java, JavaScript, MongoDB, SQL, and Spring Boot**, along with gaining proficiency in **Power BI** for data visualization and analysis, and enhancing both **technical** and **soft skills** through comprehensive training.
- Worked as a **teacher** with underprivileged students as a part of the [Agastya International Foundation](#).

CERTIFICATIONS

Java Full Stack Training Under TNS India Foundation

Programming in Java - [NPTEL](#)

EDUCATION

SHRIDEVI INSTITUTE OF ENGINEERING AND TECHNOLOGY

2021 – 2025

Bachelor of Engineering in Artificial Intelligence and Data Science- CGPA- 9.14

Tumkur / Karnataka

MAHABIRI SARASWATI VIDYA MANDIR

2018 – 2020

Intermediate- 92.4%

Siwan / Bihar