

SAHITHYA THATIPALLY

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SUMMARY

Computer Science student with hands-on experience in full-stack development and Python-based games. Certified in Java, Python, and web technologies; participated in hackathons.

EDUCATION

B.Tech in Computer Science Engineering(AIML) Expected 2027
BV Raju College of Engineering of Women.

Intermediate SriChaitanya junior collage 2021 - 2023

Secondary Schooling Jyothi high school 2021

SKILLS

Technical Skills	SQL,HTML,CSS
Coding Skills	python,C,Java,Javascript
Soft Skills	debugged complex logic , collaborated on multi-person projects, attention to detail

PROJECTS

Online Banking System

- Built a full-stack banking app for 3 core modules: account management, transactions, and authentication.
- Designed frontend (HTML/CSS/JS) with 10+ UI components and integrated backend using Spring Boot and MySQL.
- Achieved μ s response time for transaction APIs by optimizing database queries and backend logic.
- Implemented secure login and transaction flow tested with 15+ mock users and 100+ sample transactions.

Predicting coronary Heart disease

- Developed an ML model to predict 10-year coronary heart disease (CHD) risk using the Framingham dataset.
- Performed data preprocessing and EDA, including missing value handling, feature scaling, and visualization of correlations and distributions.
- Implemented feature selection using correlation, mutual information, logistic regression, and random forest to identify top predictors.
- Trained and evaluated Logistic Regression, Random Forest, SVM, and KNN models using accuracy metrics.
- TechStack: Python, Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn

CERTIFICATIONS AND ACTIVITIES

- Completed **Object-Oriented Python Programming** modules through an HCL-led Data Analysis training program.
- Completed **Statistical analysis and Data visualization** modules under the HCL Data Analysis curriculum.
- Finished **Frontend Development Course** on Simplilearn (HTML, CSS, JavaScript).
- Competed in **IEEE Hackathon** at JNTUH among 200+ participants.