Ramachandraa PS

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EDUCATION

SAVEETHA UNIVERSITY
BE in Computer Science
Oct 2026 (Expected) | Chennai, India
CGPA: 9.19 / 10.0

SRI CHAITANYA SCHOOL
Higher Secondary Certificate
March 2022 | Bangalore, India
GPA: 3.18 / 4.0

COURSEWORK

UNDERGRADUATE
Introduction to Program Design *
JAVA Development and Solutions **
Algorithmic Thinking
Computational Thinking
Mathematical Foundations for Computing **
Computational Logic and Design *
Advanced Object-Oriented Programming *
Operating Systems / Concurrent Programming
Compiler Construction *
Teaching Assistant
Product Manager

SKILLS

PROGRAMMING
Proficient: Java • Python • C++
Familiar: Dart • SQL• TypeScript

TECHNICAL PROFICIENCIES
Algorithms & Data Structures
Machine Learning
Full-Stack Development
Cross-Platform Mobile Development

COMPETITIVE PROGRAMMING
Fundamentals: 50 + Problems Solved
DSA Essentials: 30 + Problems Solved

CERTIFICATIONS
Introduction to Front - End (Meta)
Introduction to Python Programming (edX)
Oracle Java SE 21 Developer (In Progress)

AWARDS

2024	2nd Place	Student Merit Award
2024	Innovative Team	30hr Hackathon
2024	3rd Place	Bug Bounty
2024	Top 1%	Internal SIH
2024	2nd Place	Code Bounty

EXPERIENCE

BYTE UPRISE | Software Engineer Intern
JAVA | Intellij IDEA | NetBeans IDE
June 2024 – July 2024 | Maharashtra, India

- Led the 2 Java Projects: Developed a scientific calculator and a banking app, showcasing proficiency in software development and application design
- Saved **75 %** of development time by using IntelliJ IDEA and NetBeans, optimizing workflow and enhancing code quality.
- Ranked in the top **10%** for technical skills in Java programming, object-oriented design, GUI development, and debugging

NSIC | App Developer Intern
Dart | Android Studio | Flutter
Dec 2023 – Jan 2024 | Chennai, India

- Developed cross-platform mobile apps using Flutter, ensuring consistent performance and user experience on both Android and iOS with a single codebase
- Gained expertise in Flutter (UI), Java (Android app logic), and Kotlin (modern Android development), demonstrating versatility and adaptability across different technologies.

PROJECTS

COSMIC WATCH | November 2024
React | TypeScript | Tailwind CSS
Source Code | View Demo

- Developed an interactive platform for real-time **space monitoring** and **educational platform**
- Real - Time space monitor, Deep space explorer, Space Tech hub and Interaction zone are the key features of the platform
- Developed in a 30 Hour hackathon - **Most Innovative team** (Top 3 / 50 Teams)

CARE SAGE | August 2024
Python | Machine Learning

- Created a healthcare app using **AI** and **Python** to offer personalized health tips based on data analysis, helping users improve their well-being
- Used **SVM** and **Decision Tree algorithms** to analyze health data and accurately identify patterns, providing precise recommendations for better health
- Designed the app to give users tailored advice, ensuring each person gets suggestions suited to their unique health needs

VAULTX | July 2024
JAVA | Intellij IDEA
Source Code

- Built a comprehensive banking app with features like deposit, withdrawal, transfer, login, and registration, offering a complete and **user-friendly banking experience**.
- Implemented **secure login** and **registration** mechanisms to protect user data, ensuring safe and reliable financial transactions
- Designed intuitive user interfaces with seamless navigation, allowing users to manage accounts and perform transactions effortlessly.