Pamarthi Sai Kumar
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About Me

Currently pursuing Third year bachelor's in computer science and engineering with a strong foundation in Software development using various programming languages. Organized and dependable candidate successful at managing multiple priorities with a positive attitude. Willingness to take on added responsibilities to meet team goals. Detail-oriented team player with strong organizational skills. Ability to handle multiple projects simultaneously with a high degree of accuracy. Eager to contribute to real-world projects and learn from experienced developers while expanding my knowledge in emerging technologies.

EDUCATION

V.S.St.John's Hr.Sec.School – Gannavaram	10TH Grade	76%	2008 - 2020
V.S.St.John's Hr.Sec.School – Gannavaram	12TH Grade	78%	2020 - 2022
SRM University, AP - Andhra Pradesh	Undergraduate	83%	2022 - 2026 [ongoing]

SKILLS

Programming Languages **C**, C++, Java, Python, MYSQL.
Development Skills   HTML, CSS, JS, PHP, Git and GitHub, Microsoft Excel, Power BI, Tableau

Languages English, Hindi.

PROJECTS/ RESEARCH WORK

Bank Management System | C • Developed a Bank Management System using the C programming language

• Implemented core banking functionalities including creating new accounts, managing existing accounts, and processing transactions.

• Ensured each user's data is securely stored and accessible only via unique account numbers.

• Included features for viewing account balances, generating account statements, and updating customer information.

• Utilized file handling in C to store and retrieve account data, ensuring data persistence and security.

Sudoku Solver | C++ • Developed a Sudoku Solver using C++ with a backtracking algorithm.

• Implemented the core functionality to solve any given Sudoku puzzle by filling in empty cells while adhering to Sudoku rules.

• Utilized backtracking to explore possible solutions by trying out numbers and reverting changes when conflicts are encountered.

• Ensured the solver could handle standard 9x9 Sudoku grids efficiently.

• Incorporated input and output functionality to read puzzles from and write solutions to standard input and output or files.

Fitness Tracker Application | *PHP and MySQL* • Developed a Fitness Tracker Application, using PHP by leveraging the capabilities of Xampp server.

• Multiple people can use the fitness tracker, and each user's data, including their objectives, diet, and specifics of their workouts, will be stored and accessible only with their primary key.

Crypto Currency Price Tracker | *ReactJS* • Developed a Cryptocurrency Price Tracker App.

• Integrated with coin Gecko API to get the real time price of the Crypto's

Gemini Chatbot | *Python* • Developed a Chat Bot, similar to ChatGPT.

• Following numerous experiments with Google's Gemini API, I made sure I built something interesting at the end of learning.

Meals App for Restaurant | *Html, CSS, JavaScript* • Developed a Meals Menu App, where I got to play with multiple screens.

• Implemented individualized filters for each item within the app, ensuring that upon filter application, only the designated meals are displayed.

SRM Technologies Pvt. Ltd. April 2024 - Present *Frontend Developer (Freelance Contract)*

• Collaborated with the backend team to implement Speech Diarization Models and LLMs to enhance speaker identification and transcription accuracy.

Leadership / Achievements

• Executive Committee of Next Tech Lab: It is a QS awarded student-run community. I'm Part of IoT lab wing, and develops solutions by collaborating with interdisciplinary members of another domain

• Received Merit Scholarship from SRM University AP to pursue B.Tech in CSE.