K.V.V. Gopi Ratnam

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OBJECTIVE

Aspiring Software Development Engineer with strong knowledge of object-oriented design, OS, data structures, and algorithms. Proficient in C/C++, Python, and Java with a passion for building efficient and scalable solutions. Seeking an SDE internship to apply my skills, learn from experienced teams, and contribute to real-world projects.

SKILLS AND INTERESTS

Programming Languages	Java, Python, C
Computer Science Fundamentals	Object-Oriented Design, Data Structures, Algorithms, Complexity Analysis, Operating Systems
Tools & Technologies	Git, VS Code, GCC, Java IDEs (Eclipse/IntelliJ)
Database	SQL, MongoDB
OS/Environment	UNIX/Linux (commands), Windows
Testing	Manual Testing, Unit Testing, Security Testing (basic), Performance Testing
Soft Skills	Analytical and problem-solving abilities, Excellent communication and teamwork Skills, Ability to work under deadlines and prioritize tasks efficiently

EDUCATION

Kakinada Institute of Technology and Science | Cgpa : 8.2   Sep 2022 - May 2025
Bachelors of Engineering in Electronics and Communication Engineering

Pydah college of Engineering | Percentage : 90.86%   June 2019 – July 2022
Diploma in Electronics and Communication Engineering

St Annes Girls High School | Cgpa : 9.3   June 2018 – April 2019
High School (10th standard)

EXPERIENCE

Assistant Backend Developer - intern | Amaravathi Software Innovations   June 2024 – Aug2024
- Developed and optimized **RESTful APIs** using **Node.js** for seamless communication.
- Integrated **MongoDB and SQL databases** to manage and store customer data efficiently.
- Improved backend logic, enhancing system performance by **20%**.

HTML Developer - Intern| LGIS   Mar 2022 – Sep 2022
- Worked on web development using HTML, CSS, and JavaScript.
- Worked with APIs to retrieve and display data in the application.
- Assisted in understanding data requirements and improving data presentation.

CERTIFICATIONS

- **SQL Server 2019** – Infosys Springboard
- **Programming in Python** - Infosys Springboard
- **Introduction to Operating Systems**, NPTEL
- **Selenium with Java -** Coursera

Academic PROJECT

Automation Testing Mini Project (Self-initiated)
- Designed and executed test cases using Selenium WebDriver in Java.
- Automated login and form submission processes for a sample web app.
- Generated test reports using TestNG framework.

HOBBIES AND INTEREST

- Solving puzzles
- Problem-Solving Challenges
- Learning new technologies