

SAKET BHARTI

Associate , Acuity Knowledge Partners

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Technical Skills

Languages : C , C++, Java, JavaScript.

Coursework : Data Structure , Algorithm, OOPS, STL, SQL, RTOS, OS, DBMS, QT, QML, XML.

Web Development(Basic): NodeJS, ReactJS, MongoDB

Technologies : Linux, Shell Scripting, Docker, Git, JIRA, GitHub, VSCode, Multithreading .

Experience (Total Experience - 3 years)

Associate (SDE)

Oct 2023 – Present

Acuity Knowledge Partners

Gurugram, Haryana

- Create and optimize algorithmic trading strategies based on quantitative analysis.
- Work on developing systematic models that can be implemented in real-world trading environments.
- We are working closely with quantitative researchers to understand their requirements and translate mathematical models and algorithms into C++ code.
- TechStack : C++, OOPS, Linux, STL, Shell Scripting .

Senior Software Engineer

July 2023 – Sep 2023

Persistent Systems

Noida, Uttar Pradesh

- We have written clean, efficient, and maintainable C++ code to implement various components of cloud-based applications.
- TechStack : C++, OOPS, STL, Linux, SQL, Docker .

Software Engineer

March 2021 – June 2023

Tidal Wave Technologies

Mumbai, Maharashtra

- Developed a C++ based service boosting internet speed and converting 4G towers to 5G.
- Created a C/C++ product on the Linux platform.
- Implemented LTE modulations (QPSK, 16QAM, 64QAM, 256QAM) in C++, specifying bits per RE.
- PUCCH (Physical Uplink Control Channel): Implemented in C++ for transmitting uplink control info.
- PUDCH (Physical Downlink Control Channel): Managed scheduling assignments and control info in C++.
- Designed algorithms in C++ based on documentation.
- Wrote C++ code, addressing and fixing identified bugs.
- TechStack : C, C++, Linux, Data Structure, Multithreading, git .

Achievements

- **DSA Problem Solving:** Solved 1000+ problems in Data Structures and Algorithms on platforms including [GeeForGeeks](#), [LeetCode](#) and [CodeChef](#) .
- **LeetCode Proficiency:** LeetCode Handle: [saket bharti](#). Achieved 3-Star status on LeetCode.
- **CodeChef Achievements:** CodeChef Handle: [saket6957](#). Attained a maximum rating of 1660+. Ranked 225 globally in CodeChef [LunchTime](#). Achieved a global ranking of 165 in CodeChef [Cook-Off](#).
- **Google Code Jam and Kick Start:** Qualified for Google Code Jam. Secured a global rank of 3733 in Google Kick Start [Round A](#).
- **Facebook HackerCup:** Qualified for the Facebook HackerCup [Qualification Round](#).

Projects

Supermarket Billing System 🐙 | C++

- Developed a C++ application for generating detailed bills of selected products.
- Implemented features for capturing product details: name, code, quantity, price, discount.
- Utilized C++ extensively to calculate and display the total price for the purchased items.

Payroll Management System 🐙 | C++

- Implemented multiple C++ classes to organize and manage various features within the project.
- Extensively employed C++ for file handling operations, enabling users to add new employee records with details such as name, phone number, salary, address, etc.
- Utilized C++ for implementing functionalities like modifying existing employee records and deleting records.

Education

Lok Nayak Jai Prakash Institute Of Technology (Gov. of Bihar)

Aug 2017 – June 2021

B.tech in Computer Science and Engineering - CGPA: 8/10

Chhapra, Bihar