

# SAKET BHARTI

Associate , Acuity Knowledge Partners

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## Technical Skills

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

Coursework : Data Structure , Algorithm, OOPS, STL, 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)

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### 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/C++ based service boosting internet speed and converting 4G towers to 5G.
- Worked on the Physical Layer and RLC (Radio Link Control).
- Have knowledge of TDD (Time Division Duplex) and FDD (Frequency Division Duplex).
- Implemented LTE Physical Layer modulations (QPSK, 16QAM, 64QAM, 256QAM) in C++, specifying bits per RE.
- Implemented PUCCH (Physical Uplink Control Channel) in C++ for transmitting uplink control information.
- Managed PDCCH in C++, handling scheduling assignments and control information.
- Designed algorithms in C++ based on documentation.
- Wrote C++ code, addressing and fixing identified bugs.
- TechStack : C, C++, Linux, Shell Scripting, Data Structure, Multithreading, QT, QML, git .

## Achievements

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- **DSA Problem Solving:** Solved 1000+ problems in Data Structures and Algorithms on platforms including [GeeForGeeks](#), [LeetCode](#) and [CodeChef](#) .
- **LeetCode Proficiency:** LeetCode Handle: [saketbharti](#). 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

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### 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

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

Aug 2017 – June 2021

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

*Chhapra, Bihar*