

# CAREER CHRONICLES

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**Western Digital**

**MATHANGY**

**K**

# ABOUT ME



Final year student from SRM  
Kattankulathur , Computer Science with  
Specialisation in Software Engineering



5+ Hackathon winner, Web and App  
developer specialising in Machine Learning

# JOB ROLE

Internal Reviews and  
assessments

6 months Intern +  
PPO



2 month Internship  
offer



# JOB DESCRIPTION

- Participate in firmware development which is done in embedded C++ on multiple environments using latest standards C++14/17: FPGA, Simulator, eHDD (Enterprise Hard Disk Drive) product.
- We use SAFe(Scale Agile Framework for enterprise) for our software development. Participate in SCRUM/Agile processes.
- Create design documents pertinent to the various phases of firmware development.
- You'll be on a scrum team responsible for full stack embedded firmware development for enterprise/datacenter HDD. This includes innovation, design, implementation and debug of data structures, software algorithms, data path, driversneeded for our large and complex software environment.
- Deliver on cutting-edge storage products with interfaces like SAS, SATA, PCIe.
- Work with cross functional teams to develop HDD products.
- Self-motivated to work both unsupervised and as part of an agile team. Collaborate to develop self and others within group.
- Understand end to end product lifecycle.



# QUALIFICATIONS

- Good Knowledge in C,C++,Object oriented programming, Data Structure, Algorithms, Multi-threaded programming, STL, Templates, Design Patterns
- Understanding of Data Structure Algorithms
- Basic Understanding of Enterprise storage Solutions like HDD, SSD
- Understanding of Software Development Life Cycle
- Proven experience as a software designer.
- Demonstrated ability to rapidly learn new technologies, complex code and developing system, architecture view.
- Strong aptitude and penchant for problem solving, algorithm design, system design, and complexity analysis skills.



# SCREENING PATTERN

- Step 1 : Submitting Application with ATS Friendly Resume
- Step 2 : Resume Shortlisting
- Step 3 : Technical + HR Round
- Step 4 : Update from Placement Cell if Selected



# EQUIP YOURSELF WITH

Good ATS Friendly  
Resume with action  
words and more  
numbers.  
Keep it updated  
regularly

## RESUME

Good Projects  
preferably fullstack  
ones - Web or App,  
Brownie Points for  
demoable / deployed  
projects

## PROJECTS

Hackathons are so  
much more than  
winning in those 24 or  
48 hours, Focus on  
grasping the most

## HACKATHONS

Maintain a good  
Linkedin and  
Github Profile

## PORTFOLIO

Sharpen your DSA,  
Computer  
Networking, OS,  
Computer  
Architecture Skills

## BASICS

# MY HACKATHON EXPERIENCE

- First Hackathon Win : February 2023 - Mozohack 4.0 Winner - SRMKZILLA
- August 2023 - Quantathon 1.0 Winner - SRM QUANTUM COMPUTING CLUB
- January 2024 - NIT Trichy Pragyan Hackathon - 2nd runner up
- February 2024 - DS Hack 2.0 - Runner Up - DS Community SRM
- March 2024 - Standard Chartered Internal Hackathon - Winner



# MY INTERNSHIP EXPERIENCE



- Startups focused on ML and Web
  - Apple Infosys Internship
  - Stealth Mode startups
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