
Ittiam systems

Interview experience



Friday, 03/06/2022

About the company:

Ittiam is a trusted solutions provider to world leaders in video, enabling next-generation experiences through its suite of intelligent video technologies and solutions. Backed by our proven video expertise and insights, our products deliver real intelligence to solve our customers' most complex technology challenges. Our success in achieving the best performance, efficiency, agility and reliability makes us your ideal technology partner.

Ittiam (www.ittiam.com) is a globally recognized software product company in the field of advanced media processing and visual analytics. It is headquartered in Bangalore, India with an international presence in the U.S.A, Japan, Singapore, and Taiwan. Ittiam has over 400 customers who are spread across all continents of the

world. Ittiam specializes in developing cutting-edge, high-performance software for media preparation (encoding), streaming, and consumption (decoding) for diverse applications and other enterprise media workflows. The volume of end-customer products shipped in the market enabled by Ittiam technologies is over 100 million units. Ittiam has filed for 68+ patents till the date of which 55 have been granted by the United States Patents and Trademarks Office (USPTO). It also has the unique distinction of topping the list of all Indian IT companies in terms of the number of patents granted. Ittiam has received several awards and distinctions from the Government,

Industry, and the Technical Community including the prestigious Confederation of Indian

Industry (CII) Award 2018 for Best Patents Portfolio in medium-size enterprise category. It was ranked as the World's Most Preferred DSP IP Supplier by Forwarding Concepts for four successive years from 2004 to 2008.

Ittiam is a Red Herring 100 Asia Winner in 2005 and 2013, and a recipient of the NASSCOM India IT Innovation Award. In 2016, the company was inducted into the leading industry forum Alliance for Open Media (AOM) whose founding members included Google, Netflix, and Microsoft.

Job description:

Software Development Engineers – Media Technology, Computer Vision, and Machine Learning: We are looking for talented engineers to make impactful contributions to the full software development lifecycle, from concept to final software solution/service. Ittiam builds software, powered by market requirements, and driven by listening to key customer care -- hence there will be continuous learning opportunities to interact with customers through an agile and collaborative co-development. This presents an opportunity to gain rewarding experience in the technology areas of multimedia (audio-image-video) processing, computer vision, machine learning, and analytics, applied to the Enterprise Media workflows. Ittiam offers the engineers the opportunity to grow their careers in multiple dimensions such as Technologist, Product Management, Strategic Technical Marketing, Sales, and Business Management.

Eligibility criteria:

- **Eligibility Criteria:** B.Tech/M.Tech in Computer Science Engineering, Electronics and Communication, Information Technology/science.
- **Cut off Criteria:** 7.5 CGPA or 75% (Students with less than 7.5 CGPA (e.g. 7.49) or 75% (e.g. 74.99%) would not be allowed to take the test.)

Salary details:

- BE – Total CTC- Rs. 16,00,000 PA
- M. Tech- Total CTC- Rs. 17,00,000 PA

Selection Procedure:

1. Online test (Duration->30min)
2. Technical round (1)
3. HR round (1)

My interview experience:

Round 1: The written test (duration -> 30min)

- Before the first round, resume shortlisting is done, during which candidates will be shortlisted based on various criterias like CGPA, skills etc.
- The first round was a written round(pen-paper), it consisted of 20 multiple choice questions, out of which 10 were quantitative aptitude and logical reasoning while the other 10 were technical aptitude. The duration was 30 minutes. I would suggest you only attempt the questions if you are sure about it, since there is negative marking.
- The quantitative aptitude section consisted of questions from topics like time and work, speed and distance, mathematical questions related to areas, volumes etc and a few logic based questions(puzzles). Overall, the level of difficulty was moderate.
- The technical aptitude section consisted of questions from Operating systems, computer networks, C and C++(storage classes, register etc), there were a few questions on bitwise operators too. Overall, the level of difficulty was moderate.

- *Time management is the key. Since you only have 30 min, be smart about which questions you chose to spend your time on.*

Round 2: The Technical interview (duration -> 1hr 30 min)

- *The candidates who are able to clear the online test are then invited for a f2f technical interview.*
- *The panel consists of two interviewers.*
- *The interview started with a brief introduction about myself, soon after followed up by questions based on my resume. The questions were mostly based on the projects that I had worked on and skills that were mentioned. This discussion went on for 30 minutes.*
- *Further, they shared a word document with me and I was asked to solve a few coding questions, which were quickly followed up by conceptual questions. I was asked to code in my preferred programming language.*
- *I do not remember all of the questions, but some of them were as follows*
 - a. To write a program which automatically converts the data type of the input when it exceeds the boundary values.*
 - b. This question was further followed up by questions regarding storage classes, casting, memory allocation etc.*
 - c. A coding question related to bit manipulation, related to masking. And further optimization.*
 - d. Theoretical questions from operating systems, like system calls, fork(), threading, multi-threading, processes, semaphores and mutexes etc are also very important.*
 - e. Theoretical questions from computer networks.*
 - f. Having knowledge about image processing, DSP, codecs, machine learning and artificial intelligence is beneficial.*
 - g. Several other conceptual questions can be asked based on the projects that you have mentioned in your resume.*

- *Candidates clearing the technical round will receive a link for an HR interview within an hour.*

Round 3: The HR interview (duration -> 1hr 15 min)

- *This is a conversational round, prior to which you will be asked to fill a form consisting of several personality test based questions where you will be asked about your personal experience, goals etc.*
- *The interview started off with my introduction followed by basic HR questions like,*
 - a. *What are your hobbies?*
 - b. *What are your strengths and weaknesses?*
 - c. *How do you plan on overcoming your weakness?*
 - d. *Are you a team player?*
 - e. *Certain scenario based questions.*
 - f. *Why ittiham systems, whilst you have other offers in hand?*
 - g. *Will you be willing to relocate?*
- *The HR round was very casual and the interviewer was very friendly.*

Tips for preparing:

- *Focus on your basics.*
- *Practice coding on a daily basis.*
- *During the technical round -> think out loud.*
- *Be confident!*