Company :	**AIRA MATRIX**
Company Name :	**https://www.airamatrix.com/**
Nature Of Business :	**IT/Software Company**
Designation :	**Imaging Scientist/Lead Engineer**
Tentative Job Location :	Thane

Description :

AIRA Matrix provides artificial intelligence based solutions for Life Sciences applications. Our products and services improve efficiency, diagnostic accuracy and turnaround in pathology and microbiology workflows, in research, pharmaceutical and clinical laboratories.

Offerings from the company's deep learning platform AIRAVAT include:

ï‚§ Pre-trained applications for feature identification and quantification.
ï‚§ Workflow efficiency solutions for triaging, grading, predicting and inferencing.
ï‚§ Ready deep learning networks for easy DIY development of analysis workflows.

The platform is vendor-neutral, supports collaboration across teams and can be easily integrated with other digital laboratory solutions.

Job Description:

- **Design and development of *robust, efficient and real-time* algorithms for Analysis and Classification of Medical Images using *state-of-art* techniques from Image Processing, Pattern Recognition, Computer Vision and Machine Learning.**
- **Development of *innovative* solutions for various problems related to Segmentation, Detection, classification and quantification of *high resolution* (~50K x 50K) coloured images for applications in Digital Pathology.**
- **Design of *efficient* models in Machine Learning / Deep Learning for *accurate* analysis and classification of High resolution Images.**
- **To learn and update oneself on the emerging trends of technology and apply them in the projects for better results leading to publications and patents.**
- **Explore new areas of Expert Systems, Cognitive Computing, Artificial Intelligence, Computational Photography etc.**

Candidate Profile:

Academic background:

- **PhD / M. Tech. / M.E. / M.C.A. (preferably from CSE / IT / ECE / EE background)**
- **B. Tech. / B.E. with exceptional academic/professional background**

Experience (Industrial / R&D)

- **Junior level: 2 – 4 years**
- **Mid-level: 5 - 7 years**

Specialization / Domain knowledge:

- **Image Processing, Pattern Recognition, Computer Vision**
- **Machine Learning, Deep Learning**
- **Experience with Medical Image Processing is an added advantage**

Technical

- **Hands-on experience in developing and implementing Image Processing and Machine Learning algorithms**
- **Strong programming knowledge in any of C, C++, Python, JAVA etc.**
- **Hands-on experience in using Deep Learning frameworks and libraries**
- **Concepts of parallel architecture on GPU is an added advantage**

Key Sills :

- **Image Processing, Segmentation, Pattern recognition, Computer Vision, Machine Learning, Image Processing, Neural Network**

The BT/BS students will be offered the position of Executive, MT/MSc students will be offered senior executive, PhD students will be offered position of Manager and the designation of Dual degree students will be decided after the interview.

Eligibilty :

Program	AE	BSBE	CE	CHE	CSE	EE	ES	ME	MSE	PHY	CHM	MTH	ECO	DES	IME	CGS	HSS	EEM	MSP	NET	PSE	Stats
BT	Yes	No	No	No	Yes	Yes	--	Yes	No	--	--	--	--	--	--	--	--	--	--	--	--	--
BS	--	--	--	--	--	--	No	--	--	No	No	Yes	No	--	--	--	--	--	--	--	--	--
MT	Yes	No	No	No	Yes	Yes	No	Yes	No	--	--	--	--	--	Yes	--	--	No	No	No	Yes	--
DoubleMajor	Yes	No	No	No	Yes	Yes	--	Yes	No	No	No	Yes	No	--	--	--	--	--	--	--	--	--
dual	Yes	No	No	No	Yes	Yes	No	Yes	No	No	No	Yes	No	--	--	--	--	--	--	--	--	--
dualB	Yes	No	No	No	Yes	Yes	--	Yes	No	No	No	Yes	No	--	Yes	--	--	No	--	No	Yes	--
dualC	Yes	No	No	No	Yes	Yes	No	Yes	No	No	No	Yes	No	No	Yes	--	--	--	--	--	--	--
Mdes	--	--	--	--	--	--	--	--	--	--	--	--	--	No	--	--	--	--	--	--	--	--
MBA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	No	--	--	--	--	--	--	--
Phd	Yes	No	No	No	Yes	Yes	No	Yes	No	No	No	Yes	No	No	Yes	Yes	No	No	No	No	Yes	Yes
MSc	--	--	--	--	--	--	--	--	--	No	No	Yes	--	--	--	--	--	--	--	--	--	Yes
MSR	Yes	No	No	No	Yes	Yes	--	Yes	No	--	--	--	--	--	--	Yes	--	--	--	--	Yes	--

B.Tech - 12,00,000 LPA + 2,00,000 LPA(Joining Bonus - Commitment Clause of 2 years with the organization) + Relocation + Mediclaim benefits.

M.Tech - 13,00,000 LPA + 2,00,000 LPA(Joining Bonus - Commitment Clause of 2 years with the organization) + Relocation + Mediclaim benefits.

Cost to Company :

PhD- B.Tech - 15,00,000 LPA + 2,00,000 LPA(Joining Bonus - Commitment Clause of 2 years with the organization) + Relocation + Mediclaim benefits.

Senior Executive

Package Details :

SALARY			
Basic	**37917**/- p.m.		
H.R.A.	**26542**/- p.m.		
Education	**200**/- p.m.		
Supplementary (*)	**28302**/- p.m.		
		1115524/- p.a.	
ANNUAL BENEFITS			
P.F. @ 12 %	54600		
L.T.A.	30000/-		
GRATUITY (As per Gratuity Act)	21886/-		
PERFORMANCE BONUS @ 6 %	78000/-	**184486**/- P.A.	
TOTAL (A+B)		**1300010**/- P.A.	

Executive

SALARY			
Basic	**35000**/- p.m.		
H.R.A.	**24500**/- p.m.		
Education	**200**/- p.m.		
Supplementary (*)	**26750**/- p.m.		
		1037400/- p.a.	
ANNUAL BENEFITS			
P.F. @ 12 %	50400		
L.T.A.	20000/-		
GRATUITY (As per Gratuity Act)	20202/-		
PERFORMANCE BONUS @ 6 %	72000/-	**162602**/- P.A.	
TOTAL (A+B)		**1200002**/- P.A.	

Manager II

SALARY			

Basic	**43750**/- p.m.		
H.R.A.	**30625**/- p.m.		
Education	**200**/- p.m.		
Supplementary (*)	**30571**/- p.m.		
		1261752/- p.a.	
ANNUAL BENEFITS			
P.F. @ 12 %	63000		
L.T.A.	30000/-		
GRATUITY (As per Gratuity Act)	25253/-		
PERFORMANCE BONUS @ 8 %	120000/-	**238253**/- P.A.	
TOTAL (A+B)		**1500005**/- P.A.	

Bond :	**False**
CPI CutOff :	**0.0**
Medical Requirments :	**Based upon the list of medical tests mentioned in Offer letter.**
Resume Shortlist :	**True**
Resume Shortlist Criteria:	**Based on project exposure-Deep Learning,Machine Learning,Artificial Intelligence,Neural Networks,Image processing. All the non-MTH/CSE students should have a CPI of atleast 7.0**
Aptitude Test:	**False**
Group Discussion:	**False**
Technical Test:	**True**
Technical Test Duration:	**90 mins**
Technical Interview:	**True**
Technical Interview Duration:	**1 hr**
Number of Techincal Interview Rounds:	**2**
HR Interview:	**True**
HR Interview Duration:	**30 min**
Additional Information:	