

Job Notification Form, IIT Delhi

Company Overview

Name: Honda R&D

Website: honda.co.jp

Company Type: Other (1)

Description: Honda R&D Co. Ltd

Job Details

Designation: 5) Data Ecosystem Developer / Data Engineer

Type: Information Technology

Place of Posting: Tochigi, Japan

Job Details: <Software Defined Mobility Development Supervisory Unit, Advanced Safety and Intelligent Solution Development Division>
Honda's AD/ADAS Data Ecosystem Group provides an ecosystem for AD/ADAS system development to analyze and test safety and functionality through data collection, simulations, insight and analysis of sensing data from test vehicles. The ecosystem is used in the critical process of validating the results of functional development and obtaining "type certification or homologation". The Data Ecosystem Developer / Data Engineer plays a vital role with the Vehicle Engineer to perform advanced analysis and tooling based on deep sensing data insights, and to deliver analysis and test results in a timely manner at critical milestones. Since this process is a critical part of the development process, it requires integration into the development process and a continuously improved ecosystem that allows engineers to easily review and interpret the analysis or test results. The role is very cross-functional due to the multi-system nature. Data Ecosystem Developer / Data Engineer will work together with additional engineers in extend the ecosystem's capabilities using modern development practices such as DevOps and data democratization in a combined cloud and on-premises environment. The successful candidate must have the ability to meet tight deadlines, have strong interpersonal and communication skills, be detail oriented, and have the ability to work independently and be self-starter.

[Responsibilities]

- Learn about and understand existing workflows and system configuration for model in the loop simulation, data analysis and testing
- Propose on how to better analyze and summarize the data and improve existing analysis approach continuously
- Develop the analysis and ETL/ELT pipelines using industry standard practice
- Create self-contained solutions that can be built and deployed in a fully-automated way
- Work with additional vehicle engineers to help create debugging vehicle simulation test, hardware test and AD/ADAS system for multi-type data such as video, drivers' note and sensing data.

•Work with additional data engineers to help create better pipeline and high visibility dashboards across all AD/ADAS development team toward data ecosystem in Honda

[Specific Goals]

[1st -2nd year]

- 1) Understand existing analysis approach and workflows and propose solutions
- 2) Accomplish PoC of data analysis and ecosystem improvement to get rapid development practice in AD/ADAS development team
- 3) Accomplish improved analysis workflow and create an effective way to share multiple type of data and test result

[3rd -5th year]

The successful candidate will generalize his/her analysis method for wider scenes, and demonstrate it on a in-house system and provide to all-Honda members for data ecosystem.

International: Yes

Joining By: 1 October 2023

Salary Details

CTC:	8,852,500 JPY Per Annum
Gross:	8,290,000 JPY Per Annum
Base Salary:	5,800,000 JPY Per Annum
Joining Bonus:	0 JPY Per Annum
HRA:	1,030,000 (min) -1,030,000 (max) JPY Per Annum
Medical Allowance:	0 (min) -0 (max) JPY Per Annum
Other cash benefits part of gross:	1,460,000 (min) -1,460,000 (max) JPY Per Annum
RSUs:	0 JPY Per Annum
ESOPs:	0 JPY Per Annum
Performance/other bonuses:	562,500 (min) -1,125,000 (max) JPY Per Annum
Other cash benefits part of CTC:	0 (min) -0 (max) JPY Per Annum
Other Cash Benefits:	CTC Breakdown

[Annual]

- Basic salary: 5,800,000 JPY
- Allowance(Meal, Commuting, etc): 460,000 JPY
- House Rent: 1,030,000 JPY
- JPN language lesson: 1,000,000 JPY

After every 6 months of evaluation:

1. Output meets the assignments: no incentive (CTC: JPY 8290000)
2. Outstanding outputs: additional bonus of JPY 562500 (CTC: JPY 8290000+562500)
3. Supreme outputs: additional bonus of JPY 1125000 (CTC: JPY

8690000+1125000)

So maximum CTC a candidate can get after 1 year depending upon his performance is JPY 8290000+ 1125000+ 1125000 = JPY 10540000

Selection Process

Resume Shortlist:	No
Written Test:	No
Online Test:	Yes
Group Discussion:	No
Medical Test:	No
Personal Interview:	Yes
No. of Rounds:	2
No. of Offers:	2
Minimum CGPA:	N/A

Eligibility

Recruiting PHDs:	Yes
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Eligible Departments:	B.Tech in Biochemical Engineering & Biotechnology, B.Tech in Chemical Engineering, B.Tech in Civil Engineering, B.Tech in Computer Science & Engineering, B.Tech in Electrical Engineering, B.Tech in Electrical Engineering (Power and Automation), B.Tech in Engineering Physics, B.Tech in Mathematics & Computing, B.Tech in Mechanical Engineering, B.Tech in Production & Industrial Engineering, B.Tech in Textile Engineering, B.Tech and M.Tech in Biochemical Engg & Biotechnology, B.Tech and M.Tech in Chemical Engineering, B.Tech and M.Tech in Computer Science & Engineering, B.Tech and M.Tech in Mathematics & Computing, M.Tech in Applied Optics, M.Tech in Atmospheric-Oceanic Science and Technology, M.Tech in Biomedical Engineering, M.Tech in Chemical Engineering, M.Tech in Communications Engineering, M.Tech in Computer Science & Engineering, M.Tech in Computer Technology, M.Tech in Construction Engineering & Management, M.Tech in Control & Automation, M.Tech in Cyber Security, M.Tech in Electric Mobility, M.Tech in Energy & Environment Technologies and Management, M.Tech in Energy Studies, M.Tech in Engineering Analysis & Design, M.Tech in Environmental Engineering & Management, M.Tech in Fibre Science & Technology, M.Tech in Geotechnical and Geoenvironmental Engineering, M.Tech in Industrial Engineering, M.Tech in Instrument Technology, M.Tech in Integrated Electronics & Circuits, M.Tech in Materials Engineering, M.Tech in Mechanical Design, M.Tech in Molecular Engineering: Chemical Synthesis & Analysis, M.Tech in Optoelectronics & Optical Communication, M.Tech in Polymer Science and Technology, M.Tech in Power Electronics,
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Electrical Machines & Drives, M.Tech in Power Systems, M.Tech in Production Engineering, M.Tech in Radio Frequency Design & Technology, M.Tech in Rock Engineering & Underground Structures, M.Tech in Solid State Materials, M.Tech in Structural Engineering, M.Tech in Telecommunication Technology & Management, M.Tech in Textile Chemical Processing, M.Tech in Textile Engineering, M.Tech in Thermal Engineering, M.Tech in Transportation Engineering, M.Tech in VLSI Design Tools & Technology, M.Tech in Water Resources Engineering, M.Sc in Chemistry, M.Sc in Cognitive Science, M.Sc in Economics, M.Sc in Mathematics, M.Sc in Physics, M.S.(R) in Machine Intelligence & Data Science, M.S.(R) in Applied Mechanics, M.S.(R) in Biochemical Engineering and Biotechnology, M.S.(R) in Biological Sciences, M.S.(R) in Telecommunication Technology and Management, B.Tech in Civil Engineering and M.Tech in Geotechnical and Geoenvironmental Engineering, B.Tech in Civil Engineering and M.Tech in Water Resources Engineering, B.Tech in Civil Engineering and M.Tech in Structural Engineering, B.Tech in Civil Engineering and M.Tech in Construction Engineering & Management, M.S.(R) in Civil Engineering, M.S.(R) in Chemical Engineering, B.Tech in Textile Engineering and M.Tech in Computer Science & Engineering, B.Tech in Mechanical Engineering and M.Tech in Computer Science & Engineering, B.Tech in Electrical Engineering (Power and Automation) and M.Tech in Computer Science & Engineering, B.Tech in Biochemical Engineering & Biotechnology and M.Tech in Computer Science & Engineering, M.S.(R) in Computer Science & Engineering, Master of Design in Industrial Design, M.S.(R) in Electrical Engineering, M.S.(R) in Energy Science and Engineering, M.S.(R) in Sensors, Instrumentation and Cyber-physical System Engineering, M.S.(R) in VLSI Design Tools and Technology, B.Tech in Mechanical Engineering and M.Tech in Thermal Engineering, B.Tech in Mechanical Engineering and M.Tech in Computer Science & Engineering, M.S.(R) in Mechanical Engineering, M.S.(R) in Materials Science and Engineering, Post Graduate Diploma for Visionary Leadership in Manufacturing, Masters in Public Policy, M.S.(R) in Information Technology