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: AAD Data Analyst / Technician

Type: Analytics

Place of Posting: Tochigi, Japan

Job Details: Honda R&D Innovative Research Excellence is committed to pursuing innovative development and creation of “value” in mobility and life. We aim “Zero traffic collision fatalities” involving Honda motorcycles or automobiles worldwide in 2050. The AD/ADAS division is responsible for the development of safety functions such as Honda Sensing Elite and Honda sensing 360 for this purpose.
In this division, the engineers who realized the world's first LV3 automated driving system are constantly researching and commercializing the latest technologies. The Automobile Center (Tochigi), where the division is located, has test courses and simulation facilities nearby. Honda's engineers are committed to the "three actuals" principle: actual place, actual part, and actual situation, and the Automobile Center is the best place for them to test the results with the "actuals" of their development in these well-equipped facilities.

<ROLE 1>
Data Analyst / Technician
Honda’s AD/ADAS Data Ecosystem Group serves as a critical bridge between our Quality Assurance teams, AD/ADAS feature engineering teams across the business. Accurate and understandable analysis result is the key to solving the right customer concerns as quickly as possible, and the Data Analyst / Technician plays a vital role in delivering with accuracy and simplicity. In addition, as we are constantly bringing new safety features to our customers, we need to define new approaches to better understand through data and metrics our customers' feature requests for future AD/ADAS features and their satisfaction with the features already provided. Data Analyst／ Technician is responsible for analyzing the field data of the customer's vehicle and devising and implementing these metrics.

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>
•Analyze filed data and identify the concerns across all vehicle models we have already provided
•Summarize data analysis result of new concerns for engineering teams and quality team to help prioritize solutions
•Work with additional data analysts/technicians to identify trends in data and

service level of improvement
•Propose on how to better analyze and summarize the data and improve existing analysis approach continuously
•Develop an understanding of all customer usage and failure modes by analyzing field data to design and implement metrics about how our customers drive their cars and use AD/ADAS features in the drive from multiple aspects (vehicle motion and spatio-temporal behavior)
•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 offer services to let in-house developers and QA engineers knows about concerns and upward feedback for keeping safety and quality of AD/ADAS in the market
2) Accomplish PoC of data analysis project to get an analysis method of better customer understanding
3) Accomplish improved analysis workflow and create an effective way to share these data among stake-holders

[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.

<ROLE 2>
Data Analyst / Technician
Honda's AD/ADAS Data Ecosystem Group provides an ecosystem for AD/ADAS system development to analyze and test safety and functionality through 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”. The Data Analyst/Technician 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 Analyst / Technician 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-premise 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 2022

Salary Details

CTC: 8,200,000 JPY Per Annum

Gross: 7,200,000 JPY Per Annum

CTC Breakup:
Basic Salary ¥5,800,000.00
House Rent Allowance ¥1,000,000.00
Transport & Food Allowance ¥400,000.00
Variable Component 1 (Japanese Classes) ¥1,000,000.00

Perks / Bonus: Incentives: Incentives will be paid according to the performance up to 6 months of monthly salary.
Salary: Revise Salary will be revised annually by company rule.
Evaluation: Employee will be evaluated for every half fiscal year for amount of incentives.

Selection Process

Resume Shortlist: Yes

Written Test: Yes

Online Test: Yes

Group Discussion: No

Medical Test: No

Personal Interview: Yes

No. of Rounds: 2

No. of Offers: 2

Eligibility

Recruiting PHDs:	Yes
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 Engineering and Computational Mechanics, B.Tech in Materials Engineering, 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 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 Industrial Tribology & Maintenance 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 & Technology, M.Tech in Polymer Science and Technology, M.Tech in Power Electronics, 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 Structure 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, 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 Mechanical Engineering and M.Tech in Thermal Engineering, B.Tech in Mechanical Engineering and M.Tech in Computer Science & Engineering, B.Tech in Civil Engineering and M.Tech in Structural Engineering, B.Tech in Civil Engineering and M.Tech in Construction Engineering & Management, B.Tech in Textile Engineering and M.Tech in Computer Science & Engineering, B.Tech in Engineering Physics and M.Tech in Computer Science & Engineering, B.Tech in Chemical Engineering and M.Tech in Computer Science & Engineering, B.Tech in Production & Industrial Engineering and M.Tech in Computer Science & Engineering, B.Tech in Mechanical Engineering and M.Tech in Computer Science & Engineering, B.Tech in Mechanical Engineering and M.Tech in Computer Science & Engineering, B.Tech in Production & Industrial Engineering and M.Tech in Production Engineering, 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, M.S.(R) in Civil Engineering, M.S.(R) in Chemical Engineering, M.S.(R) in Computer Science & Engineering, M.S.(R) in Electrical Engineering, M.S.(R) in Sensors, Instrumentation and Cyber-physical System Engineering, M.S.(R) in Automotive Research and Tribology, M.S.(R) in VLSI Design Tools and Technology, M.S.(R) in Mechanical Engineering, M.S.(R) in Materials Science and Engineering, M.S.(R) in Information Technology, M.B.A. (General), M.B.A. (with focus on Management Systems), M.B.A. (with focus on Telecommunication Systems management), M.B.A. (with focus on Part Time), Master of Design in Industrial Design, Master of Design in Industrial Design, Post Graduate Diploma for Visionary Leadership in Manufacturing