Internship Notification Form, IIT Delhi

About Organisation

Name of Company:	Mastercard
Date of Establishment:	1966-11-03
Number of Employees:	30000
Social Media Page Link:	https://www.mastercard.co.in/en-in.html
Website:	https://www.mastercard.co.in/en-in.html
Type of Organization:	MNC (Foreign Origin)
Location of Head office:	US
Nature of Business:	Other (it_software,data_science)

Internship Profile

Job Title: Intern- Data Science

Job Description:

Our Vision
AI Garage is responsible for establishing Mastercard as an AI powerhouse. AI will be leveraged and implemented at scale within Mastercard providing a foundational, competitive advantage for the future. All internal processes, all products and services will be enabled by AI continuously advancing our value proposition, consumer experience, and efficiency.
Opportunity
Join Mastercard's AI Garage @ Gurgaon, a newly created strategic business unit executing on identified use cases for product optimization and operational efficiency securing Mastercard's competitive advantage through all things AI. The AI professional will be responsible for the creative application and execution of AI use cases, working collaboratively with other AI professionals and business stakeholders to effectively drive the AI mandate.
Role
• Develop AI/ML solutions/applications leveraging the latest industry and academic advancements.
• Strong theoretical understanding of statistical techniques, machine learning algorithms and their mathematical underpinnings.
• Interpret and explain model predictions and insights to varied audiences.
• Thrive in an unstructured environment, working autonomously on a strong team to find opportunity and deliver business impact.
• Leverage open and closed source technologies to solve business problems.
• Ability to work cross-functionally, and across borders drawing on a broader team of colleagues to effectively

execute the AI agenda.

• Partner with technical teams to implement developed solutions/applications in production environment.

• Support a learning culture continuously advancing AI capabilities.

All About You:

Experience

• Demonstrated passion for AI competing in sponsored challenges such as Kaggle.

• Previous experience with or exposure to:

o Deep Learning algorithm techniques, open-source tools and technologies, statistical tools, and programming environments such as Python, R, and SQL.

o Big Data platforms such as Hadoop, Hive, Spark, GPU Clusters for deep learning.

o Classical Machine Learning Algorithms like Logistic Regression, Decision trees, Clustering (K means, Hierarchical and Self-organizing Maps), TSNE, PCA, Bayesian models, Time Series ARIMA/ARMA, Recommender Systems - Collaborative Filtering, FPMC, FISM, Fossil.

o Deep Learning algorithm techniques like Random Forest, GBM, KNN, SVM, Bayesian, Text Mining techniques, Multilayer Perceptron, Neural Networks - Feedforward,

o CNN, LSTM's GRU's is a plus. Optimization techniques - Activity regularization (L1 and L2), Adam, Adagrad, Adadelta concepts; Cost Functions in Neural Nets - Contrastive Loss, Hinge Loss, Binary Cross entropy, Categorical Cross entropy; developed applications in KRR, NLP, Speech and Image processing.

o Deep Learning frameworks for Production Systems like Tensorflow, Keras (for RPD and neural net architecture evaluation), PyTorch and Xgboost, Caffe, and Theono is a plus.

Effectiveness

• Effective at managing and validating assumptions with key stakeholders in compressed timeframes, without hampering development momentum.

• Capable of navigating a complex organization in a relentless pursuit of answers and clarity.

• Enthusiasm for Data Sciences embracing the creative application of AI techniques to improve an organization's effectiveness.

• Ability to understand technical system architecture and overarching function along with interdependency elements, as well as anticipate challenges for immediate remediation.

• Ability to unpack complex problems into addressable segments and evaluate AI methods most applicable to addressing the segment.

• Incredible attention to detail and focus instilling confidence without qualification in developed solutions.

Core Capabilities

• Strong written and oral communication skills

• Strong project management skill

Minimum No. of Hires:	4
Expected No. of Hires:	4
Location(s)/Place of Posting/Online:	Gurgaon
Skillset:	AI/ML

Minimum CGPA:	7.5 with 75% and above in class X, XII
Students with backlog eligible:	No

Selection Process

Resume Shortlist:	Yes
Mode of Selection:	Campus Visit
Resume shortlisting before test?:	No
Test:	Yes
Mode of Test:	Online
Test duration (minutes):	60
Aptitude/Psycometric:	No
Technical:	Yes
Group Discussion:	No
Personal Interview:	Yes
Technical Round:	Yes
HR Round:	Yes
Medical Test:	No

Eligible Academic Programs

Diversity Recruiting:	No
Eligible Years:	Graduating in 2026 (Pre-Final Year Students) - B.Tech / Dual / Master's
Eligible Departments:	B.Tech in Computer Science & Engineering, B.Tech in Electrical Engineering, B.Tech in Electrical Engineering (Power and Automation), B.Tech in Mathematics & Computing, B.Tech and M.Tech in Computer Science & Engineering, B.Tech and M.Tech in Mathematics & Computing

Stipend Details

Stipend (per month) (In INR Per Month):	75,000 INR Per Month
Accommodation:	No

Any other perks/ benefits/ components: NA

Provision of PPO based on performance? Yes

Tentative CTC for PPO select: TBD INR Per Annum

Others

Medical Requirements: NA

Other Requirements: NA