

Joel Antony Thomas

Analyst, Data Scientist

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GitHub: github.com/joel0901
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SKILLS

Tools and Languages	Python, C, C++, R, SQL, MS Excel, MATLAB, Git, Flask
Areas of expertise	Machine Learning, Statistics and Probability, Neural Networks, Data Structures and Object Representation, Analytics, Computer Vision, NLP
Communication	English, Malayalam, Hindi (not very fluent)

TECHNICAL EXPERIENCE

PROJECT A - Hypothesis Testing and Le Cams method <i>IIT Kharagpur</i> <ul style="list-style-type: none">Learnt about Hypothesis Testing by doing a deep dive on it.Conceptualized approaches like p-value, critical z, Le Cam's equation, TV distance, Fano's method, etc	Aug 2021 — Nov 2021 <i>Kharagpur, West Bengal</i>
PROJECT B - User Authentication using Mouse Dynamics <i>IIT Kharagpur</i> <ul style="list-style-type: none">Developed a code that can differentiate users based on the data collected over 45 days by collaborating with my teammatesDrove the model after feature extraction using kNN classifier	Aug- 2021 — Nov 2021 <i>Kharagpur, West Bengal</i>
PROJECT C - Offline Handwritten Character Recognition using Quantum CNN <i>IIT Kharagpur</i> <ul style="list-style-type: none">Structured a Quantum CNN model which aided in offline character recognitionImprovement in accuracy was noted compared to a normal CNN	Aug 2021 — Nov 2021 <i>Kharagpur, West Bengal</i>
MISCELLANEOUS PROJECTS <i>Kaggle</i> <ul style="list-style-type: none">Visibility Climate PredictionFinding Shapes using OpenCVPredicting Car Prices with Machine LearningCovid-19 Cases Prediction with PythonAnd others...	<i>Online</i>
ROLE A - Team member of college hostel's Data Analytics team <i>IIT Kharagpur</i> <ul style="list-style-type: none">Participated in inter-hostel Data Analytics competitionsLed a team that conducted teaching sessions which scaled our team's knowledge database for the juniors	Aug 2018 — April 2021 <i>Kharagpur, West Bengal</i>
ROLE B - Intern at ExamBazaar <i>ExamBazaar</i> <ul style="list-style-type: none">Scaled the database of startups, investors and funding events in the Indian Market.Coordinated with the manager to create weekly and monthly presentations of interesting startups for the Management Team.	Nov 2021 — Dec 2021 <i>Online</i>
ROLE C - Volunteering <i>Team Everest</i> <ul style="list-style-type: none">Created simple games as means of keeping in touch with small kids from rural and underprivileged areas.Designed over 20 games to help with this.	Nov 2021 <i>Online</i>
ROLE D - Teaching C++ for an NGO (Internship) <i>TopTrove Foundation</i> <ul style="list-style-type: none">Created course materials and taught C++ as part of an NGO	Dec 2021 <i>Online</i>
ROLE E - Intern at Appcilious <i>Appcilious Pvt. Ltd</i> <ul style="list-style-type: none">Learnt in-depth about Text-To-Speech(TTS) and used GANs to develop models.Learnt Flask to be used to create a REST API to extract data.	Dec 2021 <i>Online</i>

EDUCATION

BTech in Electronics and Electrical Communication Engineering, IIT Kharagpur
Senior Secondary, Saraswati Vidyaniketan Public School, Kochi

ACCOMPLISHES AND ACTIVITIES

Drove the basketball activities in college, and managed a budget of 32k for hostel sports activities
Avid chess player and in-charge of hostel chess activities
Proud recipient of the NTSE Fellowship
Secured a rank under 1000 in the prestigious JEE Entrance Exam
Received various awards and accolades for literary competitions