

# PREETHA DATTA

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## EDUCATION

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### Aalto University, Finland

M.S. Machine Learning, Data Science and Artificial Intelligence

### Ashoka University, India

B.Sc Computer Science

GPA : 3.48/4

## TECHNICAL STRENGTHS

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### Languages

Python, C++, NodeJS, Javascript, R, Rust, Go, Java

### Stacks & Tools

Pytorch, Tensorflow, Keras, Transformers, Ruby on Rails, Stan, ReactNative, Latex

## WORK EXPERIENCE

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### Aalto University, Finland

June 2023 - Present

*Research Assistant - Thesis*

Creating hyper-relational Knowledge Graphs for QnA systems

Using prompt engineering on FlanT5, Llama2-70B and GPT4

Stacks used: Python

### Sellforte, Finland

May 2022 - Present

*Junior Data Scientist*

Using Bayesian Data Analysis to create MMM models

Working with clients to create pipelines for integration

Stacks used: Python Stan Pytorch

### Frameright.io, Finland

September 2021 - May 2022

*Machine Learning Developer*

Building CNNs to identify aesthetic crops

Stacks used: Python Tensorflow Javascript

### Groww, India

November 2020 - July 2021

*Machine Learning Developer*

Help and Support Chatbot, Junk Document Detection API

Stacks used: Python Tensorflow Java Spring Boot Dialogflow Drools

### Auto for Impact, India

August 2020 - May 2021

*Co-Founder*

1700km autorickshaw expedition in collaboration with Project Nanhi Kali to raise awareness for girl child education in India

Raised **46000 Euro+** to educate around 500 girls across India for the year 2021-22

Media: News Coverage, Instagram

### Ceretai, Sweden

September 2019 - March 2020

*Developer - Machine Learning*

Developing and introducing new machine learning algorithms to the diversity analytics SaaS.

Creating and deploying APIs for the company

Stacks used: Tensorflow Google Cloud Platform

**Cashfree (Y Combinator S17), India**

June 2018-August 2018

*Software Development Intern*

Created a **ReactNative** based mobile application plugin for the payments gateway.

Made SDKs for the company's API in Python C++ Java NodeJS PHP

## PROJECTS AND PUBLICATIONS

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### **Aadhaar Security Analysis**

Published in Financial Crypto 2022

### **Transformers to create Question-Answering Model**

### **Finite-State Transducers in Speech Recognition**

### **Multiple Logistic Regression for Chord Estimation**

### **Feminism, Jaat, aur Code Mixing**

Paper under review at ICWSM 2023

### **Conversational Chatbot using Tensorflow**

### **Signature Verification using Keras**

### **Ashoka Saarthi : Chatbot for answering queries on campus**

### **Cryptic Hunt, Women in Computing Society**

## ACADEMIC ACHIEVEMENTS

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Recipient of Student Scholarship, Grace Hopper Conference 2019, India

September 2019

Asia Finalist, ACM ICPC Amritapuri

December 2016

MENSA Member

February 2014

FIT in Deutsch (A-2)

October 2013

## EXTRA-CURRICULAR

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Team Lead, Slush23

August 2023 - January 2024

Director - Dabbawalas (a campus food delivery startup)

August 2018 - May 2020

Resident Assistant, Ashoka University

August 2018

Vice-President, Vistaar : The Music Society

January 2018

Vice-President, Women in Computing Society

January 2018

Core Team, Western Acapella

September 2016 - 2017

Junior Diploma, Sitar

September 2013

Guinness World Record for Maximum Sitarists on one Stage

September 2008