

Rupali Khatun

Paseo zona franca 198, N°198, piso -1 1, Barcelona-08038, Spain.

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SUMMARY

Currently doing research at University Of Barcelona in the field of food image recognition using deep learning.
3 and half years of development and entrepreneurship experience in ASP.NET and related technologies.
17 months of professional experience in Image classification using Deep Learning

COMPUTER SKILLS

Languages

- Proficient In: Python, C, C++, C#, Matlab
- Familiar with: PHP, Java

Technologies

- Proficient In: ASP.NET, Tensorflow, PyTorch
- Familiar with: Windows Apps, JSP, Servlet, HTML5, PHP

Software

- Database: Microsoft SQL Server 2012, Oracle 10g, MySQL
- IDE: Microsoft Visual Studio 2008+, VSCode, NetBeans 7+
- Designing Tools: Microsoft Visual Studio 2008+, Adobe Dreamweaver CS6
- OS: Linux (Ubuntu/Cent OS), Microsoft Windows, Windows Server

EXPERIENCE

Researcher

Universitat de Barcelona

September 2020 -Present

Investigator

Computer Vision Center, Universitat Autònoma de Barcelona.

March 2019 – August 2020

- Developing classifier for food recognition.

Co-Founder & Software Developer

Supernova Techlink

Dec 2011 – July 2015

- Development & Designing of ASP.NET based Web Applications
- Managing Database using MSSQL
- Projects Worked On: E-commerce website, Hospital Management System, CRM, Institute Management System etc.

RESEARCH PROJECTS

European projects

- Novel Empowering Solutions and Technologies for Older people to Retain Everyday life activities (NESTORE) ,PI(at UB): Dr.Petia Ivanova Radeva, Funding Entity: H2020-EU.3.1.4. GrantagreementID:769643.

Spanish public projects

- Going further on Deep models precision: Uncertainty modeling, explain-ability and Cross-modal learning RTI2018-095232-B-C21,Ministerio de Ciencias y Competitividad,PI(at UB): Petia Radeva & Santi Seguí.

Technology transfer projects

- Data analytics i algorítmica [NEXTCARE], PI(at UB): Dr.Petia Ivanova Radeva, Funding Entity: ACCIO, Reference: COMRDI15-1-0016-00

EDUCATION

Amity University, Kolkata

Amity Institute of Information and Technology, Kolkata, West Bengal

- MCA: 9.11

2018

Punjab Technical University

MN Institute of Management & Technology: Kolkata, West Bengal

- BCA: 72.75%

2013

WBCHSE

Mira High School, Plassey, Nadia, West Bengal

- Uchcho–Madhyamik (Higher Secondary): 61.25% (Best of 4)

2010

2008

WBBSE

Plassey Mira Valka Vidya Niketan, Plassey, Nadia, West Bengal

- Madhyamik (Secondary): 72.13%

CERTIFICATIONS

Deep Learning A-Z: Hands-on Artificial Neural Networks <i>Online Course – Udemy</i>	2018
Deep Learning and Computer Vision A-Z: OpenCV, SSD & GANs <i>Online Course - Udemy</i>	2018
Fourth Summer School on Computer Vision, Graphics and Image Processing <i>ECSU, Indian Statistical Institute, Kolkata, West Bengal</i>	2017
<ul style="list-style-type: none"> • Project: Gland Segmentation in Colon Histology Images using Local Intensity Feature 	
Smart Sensing and Intelligent Systems (SSIS 2016) – Short-term Course <i>NIT, Durgapur, West Bengal</i>	2016
Workshop on Parallel Computing with GPUs <i>GPU Centre of Excellence (GCOE), IIT Bombay</i>	2016
NASSCOM eSummit – Participation <i>NASSCOM</i>	2016
Microsoft Specialist: Server Virtualization with Windows Server Hyper-V and System Center <i>Microsoft (74-409) [Microsoft Certification ID: 8458681]</i>	2014
Oracle University: Oracle SQL 10g <i>NIIT College Street</i>	2013
Oracle University: Oracle PL/SQL 10g <i>NIIT College Street</i>	2013
Developing Web Application using ASP.NET <i>NIIT College Street</i>	2013
CompTIA: Certificate Course in Network Technician – N+ <i>NIIT College Street</i>	2012
CompTIA: Certificate Course in PC Technician – A+ <i>NIIT College Street</i>	2012
MCTS: Microsoft SQL Server 2008 Database Development <i>Microsoft (70-433) [Microsoft Certification ID: 8458681]</i>	2011

AWARDS

Academic: Silver medal for standing second in Academic performance <i>Amity University, Kolkata</i>	2019
Academics: Award for Machine Learning and Image Processing <i>Amity University, Kolkata</i>	2018
Academics: Award for Best Mentor <i>Amity University, Kolkata</i>	2018
Sports: First Position in both Discus Throw & Shot Put - Sr. Girls <i>Annual Athletics Meet 2008-09, Mira High School</i>	2008-09
Sports: Second Position in Shot Put (23' 1'') – Jr. Girls <i>Kaliganj Zonal Schools Championship 2006 -07</i>	2006-07
Sports: Second Position in both Discus Throw (13.20m) & Shot Put (6.90m) – Jr. Girls <i>Annual Athletic Sports 2006-07, Plassey Mira Balika Vidyaniketan</i>	2006-07
Sports: Second Position in Shot Put (6.25m) – Jr. Girls <i>Annual Athletic Sports 2004-05, Plassey Mira Balika Vidyaniketan</i>	2004-05
Sports: Third Position in Shot Put – Sub Jr. Girls <i>Kaliganj Zonal Schools Championship 2004 -05</i>	2004-05
Sports: Second Position in 400m Run – Sub Jr. Girls <i>Annual Athletic Sports 2003-04, Plassey Mira Balika Vidyaniketan</i>	2003-04

PUBLICATIONS

Exploration of Interpretability Techniques for Deep COVID-19 Classification using Chest X-ray Images

Jun 3, 2020 publication ArXiv Preprint

Soumick Chatterjee, Fatima Saad, Chompunuch Sarasaen, , Suhita Ghosh, **Rupali Khatun**, Petia Radeva, Georg Rose, Nürnberger Andreas, Sebastian Stober, Oliver Speck

Uncertainty Modeling and Deep Learning Applied to Food Image Analysis.

13th International Joint Conference on Biomedical Engineering Systems and Technologies(January 2020)

Eduardo Aguilar-Torres, Bhalaji Nagarajan, **Rupali Khatun**, Marc Bolaños, Petia Radeva

Machine learning approach for segmenting glands in colon histology images using local intensity and texture features.

IEEE 8th International Advance Computing Conference (IACC 2018)

Rupali Khatun, Soumick Chatterjee

Data Modeling for E-Voting System Using Smart Card based E-Governance System

International Journal of Information Engineering and Electronic Business 9(2):45-52 · March 2017

Rupali Khatun, Tania Bandopadhyay, Dr. Abhishek Roy

SOFT SKILLS

Language Proficiency:

Language	Proficiency	Skills
Bengali	Mother Tongue	Read/Write/Speak
Hindi	Fluent	Read/Write/Speak
English	Fluent	Read/Write/Speak
German	Basic	Read/Write/Speak
Spanish	Basic	Read/Write/Speak

Co-curricular Activities:

- Dance
- Sports

PERSONAL DETAILS

DOB: 28.01.1992

Passport No: S1153441

Father's Name: Golam Sekh.

Address: Paseo zona franca 198, N°198, piso -1 1, Barcelona-08038, Spain.(Present)

Village - Mira Math Para, PO - Plassey, Dist – Nadia, West Bengal, India - 741156 (Permanent)

All the details mentioned above are accurate as per my knowledge.

Rupali Khatun

10.11.2020