

Ritika Sharma

+353-894832042 | sharmari@tcd.ie | [LinkedIn](#) | [Github](#)

EDUCATION

MSc Computer Science – Intelligent Systems, Trinity College Dublin, Ireland 09/2021 - 09/2022

- Final grade: Distinction
- Thesis topic - Predicting Big-5 Personality type from Facial Action Units from multi-modal dataset
- Focus on Machine Learning and Artificial Intelligence (Python, R, scikit-learn, Pandas, NumPy, OpenCV)

BTech Computer Science and Engineering, Mody University, India 07/2013 - 05/2017

- Final grade: 8.0/10 (top 10 percentile)
- Focus on Data Structures and Artificial Intelligence

WORK EXPERIENCE

Software Developer, Scorebuddy, Dublin, Ireland 10/2023 - present

- Developed and deployed Python Flask microservices for integrating customer-support helpdesks (e.g. Zendesk, Salesforce) on AWS (S3, EC2, Docker, Lambda).
- Developed an AI-driven SaaS web application for quality assurance using the MEAN stack (MongoDB, Express, AngularJS, Node.js) to perform conversational analysis of customer-agent.
- Scheduled and executed NLP and ML analysis tasks on stored data in MongoDB using Python scheduler jobs, performing QA rule generation, keyword identification, classification, and speech-to-text translation.
- Led technical discussions, design reviews, code reviews, to ensure best practices and high-quality code.

Senior Software Engineer, Infosys, Bangalore, India 10/2017 - 06/2021

- Led the migration of a legacy codebase from PL/I to Python, and oversaw the transition of data from a Mainframe environment to AWS.
- Worked for fintech sector and analysed trends in annuities using SAS, JCL, DB2, and PL/I (Mainframe) to maximize business profit.
- Provided technical guidance and mentorship to junior engineers, fostering their growth and development.

CTO, Co-founder, Paws and Play, Bangalore, India 08/2018 - 12/2020

- Developed a full-stack web application for pet care services using Django (Python), PostgreSQL (ORM) for the backend and React (JavaScript) for the frontend.
- Reached final round of Techstars startup accelerator program out of 1000+ applicants.
- Conducted market research to identify user needs and prepared roadmap for development of the product.

REWARDS AND APPRECIATION

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- Recognized as the top performer by the client and appreciated for dedication & commitment - Infosys
 - Appreciated for innovation & planning - Infosys

CERTIFICATIONS

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- Udacity Frontend developer and Full-stack developer nanodegrees
 - Microsoft MTA - Introduction to Programming Using Python
 - Infosys Global Agile Development certification

SKILLS

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- Python (Flask, Django, FastAPI, pytest), JavaScript (AngularJS, React, Node.js), OOP
 - SQL, MySQL, DB2, MongoDB, PostgreSQL
 - AWS, Microservices, Docker, Agile, Git, CI/CD, Jenkins, Jira