

WORK EXPERIENCE

Software Engineer

Bending Spoons

12/2024 - 12/2025

London, UK

Description

- Full-stack engineer (React, TypeScript, Swift) on high-scale mobile apps. Part-time growth manager using performance metrics and user data to guide feature prioritization and iteration.

Founder

Fluenci App

08/2023 - 10/2024

London, UK

<https://www.fluenci.app>

Description

- Built an LLM-powered conversational language learning app using Flutter, Firebase, and AWS with a complementary AI tool TuneTutor for language learning through song lyrics. Led product development from ideation to deployment, acquiring 4,000+ leads and 700+ users.

Python Engineer

Silvr

09/2022 - 06/2023

Paris, France (Remote)

Description

- Developed features for the Silvr finance platform using Python Django.

Software Engineer Intern

Bloomberg LP

06/2022 - 09/2022

London, UK

Description

- Built a news recommendations service using data analysis techniques with large-scale financial news datasets using PySpark and Pandas.

EDUCATION

MSc Statistics

ETH Zurich

(Incoming 2026)

BSc Computing Science

University of Groningen

09/2020 - 08/2023

Groningen, Netherlands

Additional Information

- Graduated cum laude (with distinction)
- Physics Minor
- Competitive Programming Committee co-founder
- GPA: 8.9/10

IGCSE and IBDP

Jayshree Periwal International School (Head Girl)

04/2017 - 08/2020

Jaipur, India

Diploma/Certificates

- International Baccalaureate:** Grade 11-12 (Math HL, Physics HL, Chemistry HL, Biology HL, English A SL, French B SL) (**Final Score 43/45**) (ACT Score: 33/36)
- IGCSE:** Grade 10 (International Mathematics, Additional Mathematics, English Language, French, Physics, Chemistry, Biology, Economics) (**All A*s, 96.3%**)

SKILLS

Python

C

R

SQL

Probability & Statistics

Linear Algebra

Swift

React

Dart

TypeScript

Calculus

Management & Leadership

Communication

PROJECTS

IMC Trading Competitions (03/2023 - 05/2023)

- 1st place** in Women Insight's Day final **algorithmic trading competition**
- Top 100** in **Prosperity Trading Challenge** (worldwide)

Benelux Algorithm Programming Contest 2021

- Qualified for the Northwestern Europe Regional Contest

Research and Publications

- A Comparison of the Effectiveness of ChatGPT and Co-Pilot for Generating Quality Python Code Solutions:** *IEEE*, March 12, 2024
- International Baccalaureate Diploma Program Extended Essay in Biology:** Researching the effects of Chemical Scarification using increasing concentrations of Multi-Walled Carbon Nanotubes on the Seedling Vigour Index (SVI) of Bell Pepper and Beetroot seeds in comparison with that of Thermal Scarification at 50°C over 30 days.
- The Science and Ethics of Human Nutrition: An Argument:** Interdisciplinary analysis of animal agriculture, environmental sustainability, and vegan nutrition. Independent Research Paper (Unpublished)

Synthetic Data Generation Project (02/2022 - 06/2022)

- Coding lead** in a team of 6 university students to build an intelligent dummy data generator in **Python** for the company **Syntho**.

42 Core Curriculum & MeritTrade (05/2021 - 05/2022)

- 12/16 of the Core projects completed. Scholarship recipient to build a peer-to-peer tutoring platform MeritTrade at 42 Wolfsburg.

Online Courses

- Practical Deep Learning For Coders (fastai)
- Game Theory (Stanford University & The University of British Columbia)
- Financial Markets (Yale University)

LANGUAGES

English, Hindi

Native or Bilingual Proficiency

French

Limited Working Proficiency

Japanese

Limited Working Proficiency

EXTRACURRICULARS

Grade 8 Piano with Merit (Trinity College London)

5 year degree in Kathak Dance (Bhatkhande Institute)

Regional Equestrian League (Equestrian Federation of India)