

Guruprerana Shabadi

Master's Student in Computer Science
École Polytechnique, France

guruprerana.github.io
guruprerana.shabadi@polytechnique.edu

Education

- **École Polytechnique and Université de Paris** Paris, France
Parisian Master of Research in Computer Science (MPRI) Sep. 2022 - Present
- **École Polytechnique** Palaiseau, France
B.S., Mathematics and Computer Science Sep. 2019 - Jun. 2022
 - GPA: 4.2/4.0+, Summa cum laude

Experience

- **Institute of Informatics, University of Warsaw** Warsaw, Poland
Research Intern Apr. 2023 - Present
 - Advisor: Nathanaël Fijalkow (Automata Theory Group)
 - Topic: Programmatic reinforcement learning
- **INRIA** Paris, France
Research Intern Jan. 2022 - Mar. 2022
 - Advisor: Caterina Urban (ANTIQUÉ Team)
 - Topic: Static analysis of data science software
- **Department of Computer Science, École Polytechnique (LIX)** Palaiseau, France
Research Intern Jun. 2021 - Dec. 2021
 - Advisor: Sergio Mover (Cosynus Team)
 - Topic: Accounting for communication delays arising in cyber-physical systems
- **Fasfox** Paris, France
Software Developer Intern Jun. 2020 - Aug. 2020
 - Worked on the development of an application called 'Concrete Dispatch' used by large scale construction sites. Involved in all aspects of development including frontend and backend.
 - Technologies used: Django, Vue.js, Android

Publications

- Luca Negrini, **Guruprerana Shabadi**, Caterina Urban. Static Analysis of Data Transformations in Jupyter Notebooks. In SOAP at PLDI 2023.

Awards

Global Undergraduate Awards - Global Winner in Computer Science (recognized for work on <i>Static Analysis of Data Science Software</i>)	Sep. 2022
Labex DigiCosme Scholarship	2022-2023
Excellence Scholarship from the École Polytechnique Foundation	2019-2022
DGA Scholarship from the French Directorate General of Armaments	2021-2022

Projects

- **Anemone** Paris, France
Entrepreneurial Project *Oct. 2020 —*
 - As the CTO, I lead the application development team at Anemone
 - We are a team of 4 student entrepreneurs building a socio-professional networking platform tailor-made to the needs of the artistic industry

Skills

Languages: C/C++, Python, Coq, Haskell, JavaScript, Java, HTML-CSS, x86 Assembly

Frameworks: Django, Vue.js, Android, React, React Native, Pandas, Scikit-learn, Tensorflow, Qt

Spoken languages: English (native), French (advanced working proficiency), Kannada, Hindi

Volunteer Experience

- **Developer Student Club of École Polytechnique**
Developer Student Club Lead *Sep. 2020 - Jun. 2021*
 - As a part of the Google DSC Program, led a team in organizing events, workshops, and competitions about various platforms and technologies, including cloud and AI.
- **Student Body of École Polytechnique**
Chief Financial Officer *Jun. 2020 - Jun. 2021*
 - I was incharge of accounting, and gathering of sponsorships and funds, in addition to organizing the social and cultural life on campus.