

Guruprerana Shabadi

103, avenue Henri Becquerel
Palaiseau, 91120, France

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

Education

- **École Polytechnique** Palaiseau, France
B.S., Mathematics and Computer Science (Cumulative GPA: 4.2/4.0) Sep. 2019 - Present
– Admitted into the program with honors
- **Sindhi High School** Bengaluru, India
High School Diploma (Aggregate: 95.6%) Jun. 2017 - Apr. 2019
– Subjects: Mathematics, Physics, Chemistry, and Biology

Experience

- **INRIA** Paris, France
Bachelor Thesis Internship Jan. 2022 —
– Advisor: Prof. 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: Prof. 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

Awards

Excellence Scholarship from the École Polytechnique Foundation	2019-2022
DGA Scholarship from the French Directorate General of Armaments	2021-2022

Projects

- **Anemone**
Hobby 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
- **FlapAI**
Machine Learning Project, Course: CSE204 at Ecole Polytechnique

- Implemented neuroevolution and Q-Learning algorithms from scratch to learn how to play the game of Flappy Bird

- **Nuit de l'IA Hackathon**

- Organized by Binet AI and X-UP Start-up Accelerator at Ecole Polytechnique*

Sep. 2019

- Member of the winning team at the hackathon
 - Best implementation of a multilabel classification algorithm for supermarket products

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.