



# Shashank Narayanan P

Technology enthusiast who enjoys **Python programming, competitive coding** and **software application development**. I utilize a customized **Manjaro Linux** which is the gateway to my world of coding and music

## Education

**M.Sc Theoretical Computer Science (7.75 / 10), 2017 - 2022 (expected),**  
**PSG College of Technology** - Coimbatore  
*Core subjects: Algorithms & Data Structures, Database management systems, Machine learning*

**Higher Secondary School (94%), 2017,**  
**Premier Vidyaa Vikash Higher Secondary School** - Coimbatore  
*Core subjects: Mathematics and Computer Science*

**Secondary School (97%), 2015,**  
**Lisieux Matriculation Higher Secondary School** - Coimbatore

## Work Experience

**Software developer Intern, May 2020 - Present**

**LINX Private Limited** - ([apiplatform.io](https://apiplatform.io), Platform back-end services)  
Part of the core team working on multiple **Algorithmic Python solutions** that are integrated into our core API automation product including:

**API Connectors:** Built an API that helps perform authorization while connecting to any third party service provider via the [apiplatform.io](https://apiplatform.io) product  
**COBOL transformation:** Built an API plugin that helps extract business logic and transform COBOL programs that are being currently in the mainservers of our client systems

**Snowflake Data Migration:** An API prototype to upload data from 'kafka', a distributed streaming platform to the existing tables in 'Snowflake', a cloud-based data warehousing software.

**Named Entity Recognition:** Built a large text file parser API using 'spaCy', a software library for advanced natural language processing

## Project Work

**[Tweetsink](#)** - real time streaming application developed with **Apache Spark framework** in Java and Twitter4j, a library that provides integration with the Twitter API to generate datasets for analytics

**[Cognate](#)** - **Raspberry Pi compute cluster** developed in **C** using **MPI** to parallelize algorithms such as Merge sort, Trapezoidal Approximation of Pi and Array Sum to decrease runtime with scaling

**[Mewten](#)** - a recommendation engine developed in **Python**, filters the dataset provided by MovieLens using a Collaborative Filtering algorithm to recommend K movies to N users

**LCI** - simple lambda calculus interpreter developed using the purely functional programming language **Haskell**

## Personal Info

Email

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GitHub

[shashank152k](https://github.com/shashank152k)

## Skill Set

C++, Python	★★★★★
Java	★★★★☆
Haskell, R	★★★★
SQL	★★★★★

Tools & Technologies

MATLAB	★★★★★
Apache	★★★★

Platforms

Windows, Linux, macOS

## Co-curricular

### Activities and Interests

**Photographer** at **The Bridge**, the official online magazine of PSG College of Technology

**Electronic Keyboard Grade 3** at Trinity College, London

**Machine Learning by Stanford University** on Coursera.

Certificate earned at Monday, August 5, 2019 4:36 PM GMT

**Competitive Programming**

250+ Submissions across platforms Codeforces, Codechef and Hackerrank

Organizer and Member of **Algorithms Club, BigO and Programming Club, Pragma**

Member of **Coimbatore Runners Club**