



Shashank Narayanan P

Technology enthusiast who enjoys **Python programming, competitive coding** and **software application development**. I love my 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 Vidya 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, 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:

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

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

API Connectors: Built an API that helps perform authorization while connecting to any third party service provider via the apiplatform.io product

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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Mobile

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GitHub

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

Skill Set

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

Tools & Technologies

MATLAB	★★★★★
Apache Spark	★★★★

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**