

Parth Shelgaonkar

Address 430 W. Wood St., West Lafayette, IN - 47906
Mobile +1 (513) 485-6865 | Email ps@parthshel.com / parth@purdue.edu
Webpage parthshel.com | GitHub [parth-shel](https://github.com/parth-shel)

Education

Fall 2016 - Spring 2020

Purdue University, West Lafayette IN

- Bachelors of Science in Computer Science (Class of 2020)
- Relevant Coursework- Data Mining and Machine Learning, Intro. to Database Systems, Operating Systems, Systems Programming, Software Engineering, Competitive Programming, DS & Algorithms, Computer Architecture, C Programming, Fundamentals of CS, Intro. to OOP (Java), Linear Algebra, Multivariate Calculus, Intro. to Statistics

Experience

July 2018 – Present

Purdue University | Undergraduate Research Assistant

- Working on research in **Blockchain-based distributed systems**.

May 2018

Findability Sciences | Data Science Intern

- Worked on **NLP project** for **sentiment analysis** on Indian languages like Hindi and Marathi.
- Implemented API for SVM model based classifier in JavaScript.

Aug. 2017 – Present

Purdue University | Undergraduate Teaching Assistant

- Teaching Assistant for CS 354 (Operating Systems), CS 252 (Systems Programming), CS 251 (Data Structures and Algorithms), CS 240 (C Programming) & CS 193 (Freshman Tools & Resources).

Projects

Aug. 2018

pshell

- A simple ***nix shell**, with support for pipes, logical operators, I/O redirection, environment variables, wildcarding, history & tab completion written in Rust.

June 2018

naïve-bayes

- **Bayesian classifier API** and **spam filtering** application written in C++.

May 2018

packR

- Data **compression and file zipping utility** written in Rust.

April 2018

Vendez Vous

- Developed backend for networking web app in Node JS and integrated Mongo DB for user data persistence.

Jan. 2018 – Apr. 2018

xpac

- Developed a **cross-platform package manager** for the *nixes.
- Developed the client-end command line utility and repo server backend in C/C++.
- Designed and implemented the client-server protocol for package transmission and metadata schema for package management and dependency trees.

Dec. 2017 – Jan. 2018

DRACO

- DRAWing COMpression library to **compress images** generated using SCRIBBLE by carving outlines to map shapes written in C.

Nov. 19-20, 2016

FreeClicker

- Developed the Android version of the app during Hack OH I/O, at Ohio State Univ.
- FreeClicker is a free and open source alternative to the iClicker which can be used to take quizzes and polls in a classroom.

Oct. 15-16, 2016

CelebFinder

- Implemented Chrome extension that recognizes faces of famous personalities during Hello World at Purdue Univ.
- CelebFinder uses Microsoft's Cognitive Sciences API to recognize the face in a YouTube video and scrapes Wikipedia page about the person to give info.

2015

Scribble

- Designed MS **Paint** like scribble pad using the Borland Graphics Interface Library in C (DOS).
- Implemented optimized image file saving to reduce memory footprint.

Programming Skills/Technologies

Proficient: C/C++, Rust, Java & JavaScript

Familiar: Python, Shell scripting, ARM/x86 assembly, SQL, HTML & CSS