SHREYAANSH BASSI

Campus Address:

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https://shreyaansh.xyz/

ABOUT ME

I am an ambitious hardworking individual with a keen interest in Software Engineering and Database and Information Systems.

TECHNICAL SKILLS

Programming: C, C++, JAVA, R, VISUAL BASIC, ARM Assembly, MySQL

Web Development: HTML, CSS, VBScript, ASP, JavaScript, AngularJS

RELEVANT COURSES

- **CS 307** (Software Engineering (Scrum))
- **CS 348** (Introduction to Information Systems)
- **CS 252** (Systems Programming)
- **CS 251** (**Data Structures** and **Algorithms**)
- **CS 250** (Computer Architecture)
- **CS 240** (Programming in **C**)
- **CS 182** (Foundations of Computer Science)
- **CS 180** (Problem Solving and **O**bject-**O**riented **P**rogramming)

ACTIVITIES INVOLVED

- Member of **SIG-CHI** (Special Interest Group-Computer Human Interaction).
- Member of the Purdue Squash Club.

http://www.github.com/shreyaansh

EDUCATION

BACHELOR OF SCIENCE IN COMPUTER SCIENCE
SOPHOMORE

PURDUE UNIVERSITY   MAY '18
GPA: **3.31**

PROJECTS

TEAM UP | JAVA & ANDROID SDK   (January 2016- Present)
Working on a Team/Group based application that helps people who work on group projects to have a general sense of the progress on the project, communicate with the other team members and post a common task list for the project.

WEB CRAWLER | C++   (June 2015)
Constructed an internet bot for web indexing purposes, manually giving a parent URL and recursively visiting URLs' on the frontier and saving them and their description in a data structure to be used by a search engine.

BOILER SEARCH (SEARCH ENGINE) | C++   (July 2015)
Developed a search engine which operates by running an algorithm that mines the data stored by the web crawler and listing the relevant SERPs (Search Engine Result Pages). Searching is implemented by storing the data in different data structures.

MALLOC | C, C++   (January 2016)
Implemented the malloc function along with the basic free and realloc function by creating freelist by fetching memory from the operating system.

IRC SERVER & CLIENT | C++ & GTK+ 3.0   (April 2015)
Developed an Internet Relay Chat server and client model that facilitates communication via text messages. A user is allowed to set up an account by providing a username and a password to connect and chat with other people connected to the server in "rooms".

SAFEWALK SERVER & CLIENT | JAVA & ANDROID SDK
(Nov 2014 - Dec 2014)
Designed a server in java and client application based on the Purdue "SafeWalk" program, where people connect to the server created through the android application, getting matched with a volunteer for the program (Safe Walk Program).

EXPERIENCE & VOLUNTEER ACTIVITIES

Purdue ROCS (**R**each **O**ut **C**omputer **S**cience)   (January 2016-Present)
- Work as a volunteer and go to different schools to introduce kids to Computer Science.
- Teach the experienced kids languages like Scratch to get them started in Computer Science and the more experienced ones' languages like Python.

Statistics Course Grader   (January 2016 - Present)
- Work as a grader in the Purdue Department of Statistics.
- Work with a group of people grading the lab work, homework and exams by students in Statistics courses.

https://www.linkedin.com/in/shreyaanshbassi