

Campus Address:

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<https://shreyaansh.xyz>

ABOUT ME

Ambitious, hardworking individual. Experienced learner. Interested in Software Engineering and Database and Information Systems.

TECHNICAL SKILLS

Programming: C, C++, Java, Swift, ARM Assembly, MySQL, SQL, SQLite, MIPS, Android SDK, iOS SDK

Web Development: HTML, CSS, JavaScript, NodeJS, Angular 2, AJAX (RESTful Web Services), TypeScript, ASP, Firebase, IBM Bluemix

RELEVANT COURSES

- **CS 348** (Introduction to Information Systems)
- **CS 348** (Software Engineering (Scrum))
- **CS 252** (Systems Programming)
- **CS 251** (Data Structures and Algorithms)
- **CS 250** (Computer Architecture)
- **CS 240** (Programming in C)
- **CS 180** (Introduction to OOP)

ACTIVITIES INVOLVED

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

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EDUCATION

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

JUNIOR

PURDUE UNIVERSITY

MAY '18

GPA: **3.14**

WORK EXPERIENCE

SOFTWARE ENGINEERING INTERN | IBM, New Delhi (June 2016-July 2016)

- Worked on a web application for IBM's Predictive Asset Optimization Technology as a part of the Client Business Solutions Team.
- Full Stack Developer on the project.
- Used NodeJS (server-side), IBM Bluemix (PaaS), AngularJS (client-side).

STATISTICS COURSE GRADER | Purdue University (January 2016 - May 2016)

- Graded homework, labs and exams given by students taking the STAT 350 (Introduction to Statistics) course.
- Worked with a team of graders and teaching assistants to invigilate and help students during exam time.

PROJECTS

TRANSLATION NATION | NODEJS, JAVASCRIPT, IBM BLUEMIX (April 2016)

- Uses IBM Watson Translation API to translate words and phrases to desired language, with the feature of listening to the translated phrase for pronunciation purposes.
- Practice section lets users hone their language skills by translating random words in a language of their choice.

TEAM UP | JAVA & ANDROID SDK (January 2016 - April 2016)

- Android Application that lets users manage their group projects efficiently.
- Ability to post individual and group tasks and being able to quickly sort between completed and pending tasks with upcoming deadlines.

WEB CRAWLER | C++ (June 2015)

- Constructed an internet bot for web indexing purposes, giving a parent URL allowing the program to recursively visit URL's.
- Visited URL's have their titles and description stored in a data structure to be ready to use by a search engine.

BOILER SEARCH (SEARCH ENGINE) | C++ (July 2015)

- Developed a search engine which operated by running an algorithm that mines data stored by a web crawler and listing the relevant SERPs (Search Engine Result Pages).
- Searching is implemented by accessing the data put in different data structures.

IRC SERVER & CLIENT | C++ & GTK+ 3.0 (April 2015)

- Worked in an Internet Relay Chat server and client model that facilitates communication via text messages.
- 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".

VOLUNTEER ACTIVITIES

Purdue ROCS (Reach Out Computer Science) (January 2016-Present)

- Work as a volunteer and visited different schools to introduce kids to Computer Science.
- Teach the inexperienced kids languages like Scratch to get them started in Computer Science and the experience ones Python.