

Shreyaansh Bassi

<https://shreyaansh.xyz>
sbassi@purdue.edu | 765.418.8692

EDUCATION

PURDUE UNIVERSITY

BS IN COMPUTER SCIENCE

Expected May 2018

GPA: 3.20

SENIOR

Conc. in **Software Engineering**
and **Machine Learning**

Minor in **Mathematics** and
Political Science

ABOUT ME

College Senior with an interest in designing and developing user-friendly customer facing applications. Detail oriented.

LINKS

Github:// [shreyaansh](#)

LinkedIn:// [in/shreyaanshbassi](#)

SKILLS

PROGRAMMING

C • C++ • Java • C# • JavaScript

LIBRARIES & FRAMEWORKS

ReactJS • NodeJS • ASP.NET MVC

CLOUD SERVICES

IBM Bluemix • Heroku

DATABASES

MySQL • Oracle SQL • Google
Firebase (NoSQL)

ASSEMBLY

ARM • x86_64

COURSEWORK

- Software Testing
- Web Info. & Search Management
- Compilers: Principles and Practice
- Intro. to **Information Systems**
- Software Engineering (**Scrum**)
- Intro. to Analysis of Algorithms
- Data Structures and Algorithms
- Systems Programming
- Computer Architecture

EXPERIENCE

BLOOMERANG | SWE INTERN

June 2017 – August 2017 | Indianapolis, IN

- SaaS company specializing in **CRM** for **Non-profits**. Updated the company's donor retention formula for more accurate calculations.
- Added features letting Orgs customize their retention calculation helping them better calculate their retention rate, and dynamically generate reports for their retained and lapsed donors.
- Used **.NET** framework, **MySQL**, and **C#** in the backend, **ReactJS** for the frontend.

PURDUE UNIVERSITY | CS252 TA: SYSTEMS PROGRAMMING

August 2017 – Present | West Lafayette, IN

PURDUE UNIVERSITY | CS240 TA: PROGRAMMING IN C

January 2017 – May 2017 | West Lafayette, IN

IBM | SWE INTERN

June 2016 – July 2016 | New Delhi, India

- Developed a Web based front-end for IBM's Predictive Asset Optimization Service using **AngularJS** for the front-end and **NodeJS** for endpoint definitions.
- First universally accessible front-end, letting users access metrics.

PROJECTS

TEAM UP | JAVA & ANDROID SDK

- Group Project management application, designed to have an easy to use UI compared to other PM mobile applications.
- Lets users post individual and group tasks and view their status and the person assigned for the task.

TRANSLATION NATION | NODEJS, JAVASCRIPT, IBM BLUEMIX

- Web Application that uses the IBM's Watson Translation API to translate words and phrases to desired language.
- Ability to test user's proficiency in desired language by having the user guess common words by having them translate it into English.

WEB CRAWLER AND SEARCH ENGINE | C++

- Constructed an internet bot for web indexing purposes, recursive indexing using DFS and BFS.
- Search Engine searches for relevant words within the indexed documents and rudimentarily ranks them using **tf-idf**.

VOLUNTEER ACTIVITIES

PURDUE ROCS | REACH OUT COMPUTER SCIENCE

- Volunteer to visit schools and introduce kids from Primary - High School to Computer Science.
- Based on the experience, teach them basic problem solving skills in Scratch to coding binary search in Python.