

ABHISHEK VERMA

Developer | Designer

Phone: (479) 670-7412
Email: averma11@illinois.edu
Website: abhiver.com
github: abhiver222
Linkedin : /abhiver

EDUCATION

- University of Illinois at Urbana Champaign, May 2017
B.S. in Computer Science
CS GPA: 3.67
- BITS PLANI, 2013-2014
Undergraduate Transfer

RELEVANT COURSEWORK

- Systems Programming
- Distributed Systems
- Algorithms & Computational Models
- Numerical Methods & Analysis
- Bioinformatics

SKILLS

Languages

C	Python
C++	AngularJS
Java	Javascript
Android	Postgres
HTML/CSS	MVC5
C#	

Tools

Hive/Impala
Hadoop
SQOOP
Unix
Oculus VR

Leaderships and Awards

- **Alpha Phi Omega** - Service Frat Campus resource committee. Worked with organizations on campus to generate and manage leadership events for fraternity members. Maintained relations with existing sponsors and organizations
- **Dept. of Festival Management** - Managed external student participation, oversaw student registration and inventory management. Managed group of ~20 volunteers
- Worked on an eco friendly car for shell eco marathon
- 100% merit scholarship at BITS Pilani ranked 6 in a batch of 850
- Event planning for South asian Engineers and Development Club

EXPERIENCE

Avant - Software Engineering Intern (Data Services)

Summer 2016

- Built ETL pipeline using Sqoop and python for nightly ingestion of production data into data lake; made ingestion code more scalable and industry standard
- Created data dump scripts for ingesting forks and followers into maprfs cluster using bedrock and apache services including hive, sqoop and impala
- Worked on pipeline for periodic processing and ingestion of data from Amazon S3 buckets to make data more accessible to business intelligence
- Developed python packages to work with data migration from dataframes to databases
- Optimized, parallelized and debugged existing internal python libraries and modules to increase efficiency by 30%

Monsanto - Fullstack Developer

Summer 2015

- Made enterprise level websites utilizing C#, ASP.NET and MVC5 stack to handle bulk imports and exports.
- Expanded and optimized existing application using C# with live manufacturing field feedback to increase trucker efficiency by 15%
- Defined SAP calls to dynamically update plant inventory data on web application.

Netmath - Mentor

2014 - 2016

- Mentored undergraduate students for calculus courses, including Calc 1 through 3
- Utilized Mathematica, a mathematical computational program, to teach students online
- Devised simple techniques to teach concepts and clear doubts through video chats
- Graded and provided feedback to student assignments and quizzes.

RECENT PROJECTS

YouQ - Making Youtube Easier

SpartaHacks

- Created chrome extension to create on-the-go Youtube playlists to avoid jumping back to youtube to change songs
- Used AngularJS, google authorization [oAuth] and youtube API to give user a Youtube player experience in an extension
- Worked with chrome authorization to delete the temporary playlist once a browser

Hackerflow - Fluidifying Hackathons

Top 10 WildHacks 2015

- Two part android app package for speeding up sign in process at hackathons.
- Worked with Estimote Beacons to detect hackers & render forms according to location.
- Server side code with Microsoft Azure for dynamically updating data from multiple phones
- Worked with QR codes and Twilio API as a Hackers identify to reduce paper consumption in Hackathons

PERKT, Beware Intruders!

Top 2 FR HackIllinois 2015

- Created a python backend to detect faces and compare them to faces in a database.
- Used open CV and numerical methods for analyzing facial data from a webcam and triggering alarms.
- Alarmed intruders using hardware controlled by an arduino board.

RATATA, Dare to Escape...

Oculus VR Experience

- Worked with Oculus VR SDK and Unity 3D to create a VR escape game.
- Developed a smart AI in C# for the game bots to catch the player.
- Constructed a rich 3D environment for the mouse [player] to run away from bots.