Amber Gupta
916, Carriage Place Ct, Decatur, Georgia 30033

agupta18@crimson.ua.edu | 205-435-2352 | Permanent Resident - USA | www.linkedin.com/in/amber-gupta

EDUCATION

The University of Alabama

Bachelor of Science in Computer Science Engineering   **May 2019**

- *Minor*: Mathematics
- *GPA 3.84/4.00*

Key Software/Languages:

- R, C, C++, VB.Net, Java, TypeScript, JavaScript, C#, Dart, Python, PHP, MongoDB, HTML/CSS
- TFS, SAS, Azure, .Net Framework, Angular, Flutter, NodeJS, MS SQL, ASP.NET, XAML, WPF, PowerShell

WORK EXPERIENCE

Software Developer, Insuresoft LLC*, Tuscaloosa*   *May 2017-Present*

- Develop new features for ASP.NET web app, using Azure Resource Management (ARM) templates to automate deployment of software, accounting for speed and security
- Developed a .NET console app to setup and upload SSRS Reports to a local SQL Server for Reporting Services
- Added functionality to run the said app on virtual machines using ARM Template for VM Extensions
- Led and improved an API Documentation project, built using *Angular* and *NodeJS* (api.diamondasaservice.com)
- Designed and developed new features for an Internal version control and ticketing system (Desktop Application)
- Did software release management including code cut dates, testing release and ad-hoc builds for the above application
- Used SQL via Microsoft SQL Server Management Studio to create and update stored procedures on databases

Online Course Technical Advisor, *College of Continuing Studies, The University of Alabama*   *May 2016-July 2016*

- Provided advisory commentary to UA faculty and students for '*ACCESS distance learning program*'
- Developed and maintained online course portals and web interphases (*JavaScript, HTML/CSS*)

Web and Multimedia Management, *Critical Languages Center, The University of Alabama*   *May 2015- May 2016*

- Developed and updated the official C.L.C website. Designed graphics for social media updates for the department

Foreign Language Instructor, *Critical Languages Center, The University of Alabama*   *May 2015-December 2016*

- Designed curriculum for a three-credit hour Hindi class at UA
- Taught and mentored 10 students to read, write, and speak Hindi in bi-weekly classes through this curriculum

PROJECT WORK

InstaRip, *AuburnHacks - Auburn University*   *February 2019*

- Created a mobile app to extract relevant information like images and tweets from Instagram and twitter screenshots.
- Implemented with Google's Flutter Framework, GCP Could Vision API, Firebase Functions, Storage, Database and Authorization

Quantum Trivia Takeover, *CUHackIt - Clemson University*   *January 2019*

- Designed & developed a territory-based trivia game with a twist of quantum properties
- Evaluated non-deterministic property of superposition in qubits on IBM's 5-Qubit quantum computer using the Qiskit library
- Implemented with: Front end - *Angular + Firebase*; Back end - *Python + Flask.*

Study Trends, *University of Alabama*   *August-December 2018*

- Designed and implemented a WebApp to record, visualize and predict student GPA trends on basis of daily habits including class attendance, study, play and sleep time
- Added features for passive tracking of location and sleep cycles to bypass user input and automatically detect and record physical activities and class attendance

- Implemented with: *TypeScript (Angular App with NodeJS)*

Ad-Hoc Shift Manager, *VandyHacks-V, Vanderbilt University*   *November 2018*
- Constructed a WebApp to provide pool of verified/experienced employees for small business and franchise managers
- Won 2nd place for best business ideas – Vanderbilt University, Nashville, TN
- Implemented with: *Typescript (Angular App);* Database: *Google Firebase*

DiffPic - What's the difference? *VolHacks-III, University of Tennessee*   *September 2018*
- Created WebApp to visualize changes in an image file over its commit history for GitHub Repositories
- Used OAuth 2.0 protocol via jQuery to interact with GitHub Developer API
- Implemented with: *JavaScript and Material CSS*

Designer Programming Language   *August 2017-December 2017*
- Designed and developed an interpreter based dynamic programming language which offers a blend of functional and Object-Oriented programming
- Language has options for C-Like objects using special arrays. Functions are designed as first-class objects allowing for functional programming
- Implemented with: *C*, Software Used: *Visual Studio Code*

Customer Relationship Management (CRM) Software   *August 2016-December 2017*
- Developed a CRM software for a service provider company to improve business relations by managing customer data and interaction, automating sales and simultaneously managing employee, service provides and partner relationships
- Collaborated with four team members to design related UML Diagrams when implementing the final software
- Implemented with: *Java*; Software Use: *Visual Paradigm*

LEADERSHIP ACTIVITIES

Server Admin, *Server Migration Team*, *Family Counseling Services, Tuscaloosa*   *August 2018-December 2018*
- Upgraded Microsoft business database server from 2009 to 2017 version for the non-profit organization
- Created database backups and server clones to virtual machines and tested upgrade process before working on live server
- Planned, implemented, and troubleshoot the entire server migration process by leading a team of four people

Judiciary Panel – Local Hack Day, *The University of Alabama, Tuscaloosa*   *December 2018*
- Mentored the local hack day participants with design and coding challenges faced during the event
- Critiqued final products and business presentations of participant teams and help decide for winners and prizes

Association of Computing Machinery (ACM) UA, *Development Team*   *August 2016-Present*
- Design and modify the ACM-UA website in accordance with the needs of the organization
- Developed web-app to create a self-updating search directory for working hours of UA libraries, dining halls and recreation centers by web scraping

Indian Students Association of Tuscaloosa, *Treasurer*   *May 2016- August 2017*
- Led a $12,000 fundraising effort to fund annual cultural events from a multitude of University and Community sources
- Ensured successful coordination and execution of several events (Diwali, Holi, etc.) which attracted over 1000 attendees from diverse areas across the community

College-First Impact America, *Student Mentor*   *June-July 2016*
- Mentored 20 High-School students at UA to help prepare for Advanced Placement Computer Science Class
- Taught a 6-week AP Computer Science course and organized experimental based lab activities

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AWARDS/ACCOMPLISHMENTS

- Runner Up - VolHacks III, The University of Tennessee, Knoxville (among 100 teams)
- Presidents List, The University of Alabama
- Presidential Scholar, The University of Alabama