




ALKA SIMON

B.Tech in Computer Science and Engineering

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SKILLS

- **Programming Language** - C, Python, Java
- **Web Development** - HTML, CSS, PHP, Javascript, Node.js, React.js, Django, REST, AJAX, Postman
- **iOS Development** - Swift, Xcode
- **Database Management** - MySQL, Sqlite, PostgreSQL
- **Data Analysis** - R
- **Operating Systems** - UNIX, Windows

EDUCATION

B.Tech, Computer Science Engineering

PES University, Bangalore
2016 – 2020(8.91 CGPA)

12th Grade, CBSE

Delhi Public School, Ranchi
2016(92.1%)

10th Grade, ICSE

St.Thomas School, Ranchi
2014(95.6%)

ACHIEVEMENTS

- Prof.C N Rao Scholarship for being in top 20% of the CSE students.
- Best Submission in Early Research Paper Track in IEEE Pre Conference 2020

OBJECTIVE

Focused Computer Science major aiming to leverage a proven knowledge of research and product development skills to successfully fulfil the responsibilities. Passionate about problem solving and eager to learn any new technology.

EXPERIENCE

TECHNICAL INTERN

McAfee, Bangalore, India/ February 2020 – August 2020

- Working with the Cloud Partner team in Consumer Business Unit.
- Working on iOS Security Checker App for Japan Partner. Implemented functionalities related to the new flow for the application using Swift and Xcode. Performed Unit Testing on those functionalities. Made UI changes to the code as the code was migrated to Xcode 11 from Xcode 10.

SUMMER INTERN

Cuspera, Bangalore, India/ June 2019 – July 2019

- Built an automated application which checks for updates in News and Twitter stream regarding ISP's and send alert mails to concerned employees of Cuspera.
- Implemented using Django by using News and Twitter API's. This process was made to run on daily or monthly basis as the user wants.

RESEARCH INTERN

Center for Cloud Computing and Big Data(CCBD), PESU, Bangalore, India/ June 2018 – May 2019

- Studying impact of various Java versions on Big data Applications like Hadoop and Spark.
- Suitability of various garbage collectors in Java for Big Data workloads.

PROJECTS

- Used Collaborative and Content-based filtering to create a **Book Recommendation System Web Application** using Flask, Javascript, HTML and AJAX techniques.
- Built a **Mini-Compiler** for Javascript using Lex and Yacc in C.
- Used Django to create a portal for **Online Examination System** using different aspects of Software development Life Cycle.
- Developed **RESTful microservices** deployed on AWS using Node.js, HTML and Javascript called **Selfless Acts**. Docker-containers were used in AWS.
- Data Analysis and machine learning algorithms used for **Online News Popularity Prediction** using R.
- Used Web Technologies to create a **Music Streaming Website – MUSA**.
- Used concepts of Databases to implement a **Hotel Room Booking Web Application** using CRUD operations with PostgreSQL.
- Created a **FUSE based filesystem** in Linux.
- Developed a game of Scrabble using Data Structure concepts in C.