PANKAJ AGARWAL

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in pnkjj1
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Summary

I have a strong creative and analytical skills. I am dedicated towards coding, a team player with an eye for detail. Looking to work in a challenging environment demanding all my skills and efforts to explore and expand my learning.

Skills

C

C++

Core-Java

HTML

MySQL

Operating Systems : Linux (Ubuntu, RedHat, Kali)

Compiler tools: Lex, Yacc

Data Structures

Algorithms

Hacking Tools: Fatrat, FSociety

Shell Scripting

Education

Government Engineering College,Ajmer,Rajasthan(RTU)
Computer Science 2020
Bachelor of technology CGPA:7.7/10

Ganesh Vidhya Mandir Sr. Sec. School,Pali,Rajasthan(RBSE)
Class XII 83.60% 2016
Class X 82.17% 2014

Work Experience

Indian Institute of Technology, Bombay   Mumbai
Summer Research Intern   May 2019 to July 2019
Worked on Compiler deign and its aspects like :
- Lexical analysis , Syntax analysis, Symbol table, Intermediate code generator, AST (Abstract syntax tree) and Dataflow.
- Developed a project on Little Quilt Compiler.

Highlighted Projects

Little Quilt language Interpreter   May 2019 to July 2019
- Link: https://github.com/Pnkjj1/Little_quilt_language/tree/master
- It is a very small language for designing quilts and it is based on meta language syntax.
- Designed a compiler for language named "Little Quilt". Created Lexical Analyzer, Parser, Intermediate code generator and AST (Abstract Syntax Tree) using LEX and YACC tools .
- Little Quilt manipulates geometric objects with a height, a width and texture.

Virtual Programming Lab   Feb. 2018 to Mar. 2018
- Setup a Virtual Programming Lab with Moodle (open source learning platform) on Linux Server System.
- Moodle is a learning platform designed to provide educators, administrators and learners with a single robust, secure and integrated system to create personalized learning environments.

Student Mark Analysis   Nov. 2017 to Dec. 2017
- Link: https://github.com/Pnkjj1/Student_marks_analysis
- Student mark analyzing system has been designed to carry out the mark analysis process in an educational institution.
- This system reduces manual work to great extent. The mark analysis is carried out by the system in an efficient manner.

Awards

NATIONAL HACKATHON - *Secured 2nd Runner-up position*   Dec. 2019
Developed IOT based waste and water management system on smart city theme.
- Effective Waste Collection through monitoring of garbage level in dustbins.
- Time to time updates and alerts for when to water the Plants.

Achievements

Selected for internship at IIT Bombay (TEQIP-III KITE Project)	Apr. 2019
Secured 2nd Position in Programming Hunt, Technotsav	Feb. 2017
Ranked 2nd in quantitative coding competition "Cipher"	Feb. 2017
Achieved 3rd Position in Cybernetics challenge (Coding)	Mar. 2019
Secured 2nd position in KABADDI ,Combat 2018.	Sept. 2018

Volunteering

Cyber Security Club - *Coordinator*   Feb. 2019 to Current
Govt. Engineering College, Ajmer