Gurpreet singh

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EDUCATION

B.TECH COMPUTER SCIENCE ENGINEERING	**Percentage 68.2%**
CGC COLLAGE OF ENGINEERING, Mohali	*July, 2017 – Aug,2021*
1O TH ,12TH	**5.9 , 6.8 CGPA**
SD PUBLIC SCHOOL,RAJPURA	*June,2015 – May 2017*

INTERNSHIPS

CSIR CEERI PILANI : Junior Research fellowship MARCH 2023 – PRESENT

- Presently working at CSIR CEERI Pilani on Post Code 3114 & Project No.- 3417 Learning and implementing machine learning ,deep learning algorithms using python also familiar with libraries like OpenCV,keras,numpy

EME TECHNOLOGIES MOHALI : Software trainee intern *JUNE, 2020 – AUG, 2020*

- Coded SQL queries and experienced with RDBMS concepts
- Published research paper " Security concerns of Smart Home and its solutions " which is published on Advances and Applications in Mathematical Sciences Volume 19, Issue 6, April 2020, Pages 543-549 © 2020 Milli Publications **LINK**

VOLUNTEER EXPERIENCE

- **Mentor as a Student at Applied Gate** Solved doubts of 70+ students in Data Structures, Algorithm & C programming
- **Member of Team Innovators** Led the Research papers & innovation Club of Computer Science Department of CGC where I guided colleagues how to publish a research paper & info related to research conferences

SKILLS

Programming Languages: C , C++, JAVA ,PYTHON

Web Development: HTML, Bootstrap,

Database : MySQL

Tools: GitHub, Microsoft SQL Studio, Make files, wire shark, MS office ,Excel, MS VS CODE

Areas of Interest: Problem Solving , Data Structures & Algorithms, Database management , Operating System, Compilers

Soft Skills: Communication, Quick Learner, Time Management

TECHNICAL PROJECT

SMART HOME SECURITY DEVICE

Technology Used: C/C++ , Arduino Uno,

- A application based Iot Device for home security which is fully connected and autonomous system which also provide thief detection using computer vision
- disclose the vulnerability of IOT Smart locks did a research on Tapplock Smart Fingerprint Padlocks find the ways to unlock them with in 10 sec

MAP SYSTEM

Technology used : C++,Graphs, Shortest path algos, Sql

- inspired from google maps developed a prototype of google maps project which used graph data structure & Dijkstra's Shortest Path First algorithm, SPF algorithm
- maintain the efficient time complexity of code applied the rules of Machine Independent code optimization techniques

ACHIEVEMENTS

- ❖ **Gate CS 2023 qualified :** All India rank **15243** out of 1 lakh+ candidates appeared in exam where only ~17K candidates are able to qualify this exam
- ❖ **Order of merit one in CSIR CEERI PILANI JRF shortlisting**: order of merit one out of 45 interview candidates only 2 People was shortlisted for march 2023 JRF program
- ❖ **Event inviter at CGC-Parivartan fest 2k19** invited 10+ colleges for Parivartan fest held in my campus met with multiple collage hods & Students aware about them Parivartan fest events and perks of participating in events
- ❖ **Merit based Scholarship** – a fully funded B.TECH CSE ranked #1053 out of 20992 candidates who applied for scholarship (Awarded to 1 student out of 128 students in my High-School)

Once you make your resume, don't forget to get feedback.