JASJYOT SINGH

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KEY SKILLS

C++, Python, Django, CSS, HTML, Github, Data Structures, Algorithms

PROJECTS

Amazon Apparel Recommendation Engine (Jan 2018):

A recommendation engine which suggests similar products to the given product in any e-commerce websites. Used information of 1,80,000 Amazon products. Python; pandas; TF-IDF; bag of words; stop word removal.

Password Security System (August 2017):

Securely verified and stored usernames and passwords using std hashing (SHA-2) and encryption techniques. C++; Data File Handling in C++.

Image Recognition (2016):

Machine vision where system can recognise image of numbers ranging from 0-9. Trained the system with image datasets of 8x8 pixels. Python: Matplotlib; Pillow; NumPy.

EDUCATION

University of Petroleum and Energy Studies, Dehradun
B.Tech, Computer Science Engineering   CGPA 3.34 / 4   2015 - May 2019

Maharishi International Residential School, Chennai
Class 12th   Percentage 91.0 %   2015

The Indian Public School, Erode
Class 10th   CGPA 10.0 / 10.0   2013

WORK EXPERIENCE

Designer & Blogger @ probeproduct.com   July 2018 - present
Designed my blog where I write about products, analyse their features, probe their pros and cons, highlight the cool features no one knew about and toil with their scope of improvement.

SDE Intern @ CodingBlocks, New Delhi   June 2018 - present
Wrote python scripts to automate tasks.

Student Consultant & Tutor @ Google Developer Student Club   March 2018 - present
Taught web development to juniors & students. Worked in teams to organise android dev workshops for students of my college as a part of Google's teaching mission.

Lead Business Manager @ Sukhmani, Erode   May - July, 2016
Handled multiple responsibilities like sales, marketing, logistics & administration.

ACHIEVEMENTS

HACKATHONS WON

- **UPES Hackathon - #1st**   Nov 2017
Automated the attendance process of my college by facially recognising multiple faces in same frame. A web portal which displays student's attendance via account login. Python; MongoDB; OpenCV; HTML.

- **CSI Hackathon - #3rd**   Feb 2018
Developed a vote integrity engine that prevents vote tampering using blockchain logic. Python; Django; jinja templating; HTML.

- **Project Parliament - #1st**   May 2018
Developed a secure method to prevent question papers from being leaked and tampered using hashing and encryption techniques. C++

GOOGLE CODE JAM 2017
Attempted during my 2nd year of study. Cleared qualifier round. International Rank: 10,044. Competitive programming; Data Structure; Algorithm.

UNIVERSITY ACADEMIC STREAM TOPPER   2015 - present
Ranked #1st out of 80 students for having highest average CGPA 3.34/4.

CERTIFICATION   Jan 2018
IRCA certified Lead Auditor- Attended training and passed ISO 27001 : 2013 Information Security Management Systems Auditor Course

ACTIVITIES / INTERESTS

- **Stock Trader**: Traded stocks for 1 year in National Stock Exchange & Bombay Stock Exchange. Applied Warren Buffet's principles while trading equites to gain profit percentage of 8%.

- **Other Interests**: dog fancier, fitness, yoga, swimming, public speaking.