Dilpreet Singh Chawla

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Education

9.57/10	Bachelor of Technology, Computer Science and Engineering Indian Institute of Information Technology, Kalyani, W.B	2016-2020
93%	12th (Senior Secondary Examination) CBSE, Sunbeam School, Lahartara, Varanasi, U.P.	2016
94.7%	10th (Secondary Examination) ICSE, St. John's School, Mehrauli, Varanasi, U.P.	2014

Technical Skills

Languages	Python, C, Java, C++
Operating Systems	Ubuntu (Linux), Windows
Web Technologies	HTML, CSS, Javascript, Bootstrap
Libraries and Frameworks	Flask, jQuery, OpenCV, django
Modules	Numpy, Matplotlib, Pandas, Scikit-Learn
Database Systems	sqlite3, MySQL

Projects

Automated Attendance System   **July 17 - Dec 17**

- This is an image-processing based attendance system, coded entirely in Python
- We collect student's image and related data. Then, we mark the attendance by extracting and recognizing faces from a video recording of the class.
- We used PyQt for GUI, sqlite3 for database handling, OpenCV and face_recognition modules for detecting and matching faces.
  Github Link : **https://github.com/iamdsc/Automated_Attendance_System**

Salary Management System   **Mar 18 - July 18**

- This is a Java Application for managing salary of the employees at IIIT Kalyani.
- We generated current month salary from previous month record and allowed the user to make changes if necessary and then saved it in database.
- We also provided the user and employee to view and print yearly records stored in database.
- The GUI of the application is built using Swing and database is handled with JDBC using MySQL.
  Github Link : **https://github.com/iamdsc/Salary-Management-System**

Automatic Helmet Detection System   **Aug 18 - Present**

- Automatic detection of Bike-Riders without helmet using Surveillance videos in real-time.
- The technology stack used currently includes Python3, OpenCV and pre-trained MobileNetSSD Caffe Model for object detection.
  Github Link : **https://github.com/iamdsc/automatic-helmet-detection**

Internships

Complex Network Research Group (CNeRG), IIT Kharagpur   **May 18 - June 18**

We built a '**Smart Sanskrit Annotator App**' using **django** as our web framework and applying **Natural Language Processing** along with **Deep Learning** models using Google's **tensorflow** library.
Github Link : **https://github.com/iamdsc/smart-sanskrit-annotator**

Co-curricular Activities

➢ Conducted coding club session in Introduction to C Programming for the junior batch.
➢ Participate and host competitive coding challenges and hackathons in college.

Positions of Responsibility

Senior Technical Committee Member
➢ Assist college in organizing workshops, hackathons and other technical events.

Moderator, Algoholic (IIIT Kalyani Coding Club)
➢ Organize regular intra-college coding challenges.

Student Member, Institution Innovation Council (IIC)
➢ Organize events and workshops in the college.

Links

Codechef	codechef.com/users/iamdsc_0410
HackerRank	hackerrank.com/iamdsc_0410
GitHub	github.com/iamdsc
LinkedIn	linkedin.com/in/dilpreet-chawla-88036b137
ACM ICPC	icpc.baylor.edu/ICPCID/G6EKK31ZOZFG

Additional Information

Date of Birth	4 Oct 1997
Nationality	Indian
Religion	Sikhism
Languages Known	English and Hindi
Current Address	IIIT Kalyani Boys Hostel, A-10/137, Kalyani, Nadia, W.B. (741235)
Permanent Address	C-19/128 3D Nanak Nagar, Sigra Thana, Varanasi, U.P. (221010)

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