MADHAV MALIK

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Education

- CGPA **8.69**, B.E., CSE, Thapar Institute of Engineering and Technology.
- **94%**, All India Senior Secondary School Certificate (C.B.S.E), Apeejay School, Jalandhar.
- **89.8%**, Matriculation (I.C.S.E), St. Joseph's Boys' School, Jalandhar.

Academic Achievements

- **Codechef** Long contest rating **6928 (global)/5017 (country)**.
- Secured a rank of **2090** out of **17000** teams in **Codechef Snackdown 2017**.
- Runner up in **Switch coding** event organised by **OWASP**.
- Completed **Machine Learning** Course by Andrew Ng, **Stanford University** from Coursera with 93.1% grade.
- Completed **Version Control with Git** by Steve Byrnes, Atlassian
- Completed **Python for Everybody** Specialization, **University of Michigan** from Coursera with 100% grade.

Experience

- **Software Engineer** at **HSBC**   *(July 2019 – Present)*
  - Currently working as a BIC developer for HSBC Connect Digital.
  - **Languages/Frameworks Used –** Seeburger BIS Frontend, BIC Mapping Designer.
- **Software Engineering Intern** at **American Express**   *(January 2019 – June 2019)*
  - **Digital Workplace Report Automation**
    - Created a Jupyter notebook that did the same pre-processing and manipulation of the data that was being done using macros in Excel.
    - Wrote Python scripts that were used to pre-process data which was later used by Tableau templates.
    - Created Tableau templates for product engagement reports which will automatically apply filters and generate the updated report for the day that otherwise was dealt by creating a macro in Excel.
  - **Languages/Frameworks Used –** Python, Tableau

Projects

- **C++ Projects:**
  - **Text Editor**:
    In this project a fully functional notepad like text editor was made using Qt IDE.
  - **Alpha:**
    A video player for playing small files supporting mp3, mp4,avi formats made using Qt IDE.
- **Machine Learning Projects:**
  - **Browser Automation** for growing LinkedIn connections:
    Automation of Google Chrome for logging into LinkedIn and finding a particular field of people and sending connection requests to them automatically using Selenium Webdriver.
  - **Analysis** of **Iris** Dataset: -
    Worked upon the iris dataset that contains the data that classifies various species of flower. Executed 10 classification models on this particular dataset with each giving a different accuracy then ensembling models that were run previously to improve the accuracy.

Activities and Societies

- **Creative Computing Society (CCS):**
  - Organised and made questions for the event **Coder of the Year** conducted on HackerEarth.
- **Computer Society of India (CSI):**
  - Organised and made questions for the event **Code Runner** conducted on Hackerrank.

Languages

- C++, Python