Harkunwar Singh Brar

LinkedIn | Github | 5 Star Hackerrank | (437) 838-8177 | brar58@uwindsor.ca

TECHNICAL SKILLS

- **Programming Languages**: C, Python, C#, Java
- **Web Technologies**: HTML, CSS, JavaScript
- **Frameworks**: Django, Bootstrap, ASP.NET
- **Databases**: MySQL, MSSQL Server, PostgreSQL
- **Operating Systems**: Linux
- **Testing Tools**: Selenium
- **Devops Tools**: Docker

EDUCATION

Master of Applied Computing   Jan 2024 - Present
University of Windsor, Windsor, Ontario, Canada
CGPA: **3.3/4**

- Available for 4-or 8-month internship starting Jan 2025

Bachelors in Technology, Computer Science and Engineering   Jul 2018 - Jun 2022
Guru Nanak Dev University, Amritsar, India
CGPA: **8.25 / 10**

PROFESSIONAL EXPERIENCE

Software Engineer   Jul 2022 - Aug 2023
Newgen Software Technologies, Noida, India

- LAS (Loan Against Securities)
  Developed a system that streamlines the process for bank officials to manage loan applications against securities such as shares, gold bonds, and debt instruments and automate eligibility checks, minimizing errors and enhancing overall efficiency in loan processing workflow.
  Main features include facilitating loan creation, pledging and efficient processing by guiding applications through various stages involving underwriters, approvers and disbursers, ultimately enabling the disbursement of the approved loan amount. This system significantly reduces manual effort, minimizes errors, and enhances the overall efficiency of the loan processing workflow.
  Technologies used: JavaScript, Core Java, MySQL, HTML, CSS
- RLOS (Retail Loan Origination System)
  Designed and implemented diverse projects encompassing RLOS (Retail Loan Origination System) for home loans, auto loans, and a GST (Goods and Services Tax) portal. This tool decides eligibility of a person for loan based on collected data from user including income and expenses and it is used by banking clients to automate and fasten loan dispatch process.
  Technologies used: JavaScript, Core Java, MySQL, HTML, CSS
- Optimizations for banking solutions
  Enhanced the New Solutions Group team by developing various features to improve and optimize technology solutions for banking. Played a pivotal role in structuring and implementing intricate workflows for loan origination, approval and disbursement processes within the portals, optimizing efficiency and minimizing turnaround times for customers.
  Technologies used: HTML, CSS, JavaScript, Core Java and SQL

Software Engineer Intern   Jan 2022 - Jun 2022
Newgen Software Technologies, Noida, India

- Established a tool for automating bank loan dispatch process as part of the New Solutions Group team.
- Improved user interfaces of customer forms to enable banking clients to conveniently collect customer details.

PROJECTS

Object Detection System
- **Technologies used: Python, YoloV3, OpenCV**

- Implemented a machine learning model to detect a particular object from images or videos by training the model over 2000 images and obtaining model accuracy of 80%.

Idea Hub
- **Technologies used: HTML, CSS, JavaScript, Bootstrap, Python, Django REST, MySQL**
- Created a web application that encouraged an environment for people to exchange ideas through questions and answers.

University Information System
- **Technologies used: C#, ASP.NET, MSSQL Server, HTML, CSS**
- Built a web application to provide information about various medical, arts and non-medical universities of India in terms of ratings, rank, courses offered.

Telemed
- **Technologies used: HTML, CSS, JavaScript, Bootstrap, Python, Django REST, PostgreSQL**
- Enables patients to connect with healthcare providers for virtual consultations. The platform offers user-friendly features such as patient and doctor registration, appointment booking, and health record uploads.

CERTIFICATIONS AND TECHNICAL TRAINING
- Python OOPS: Object Oriented Programming for Python Beginner- Udemy   Apr 2021
- Master the Coding Interview: Data Structures + Algorithms- Udemy   Jun 2021

EXTRA-CURRICULAR ACTIVITIES
- Member of Public Relations team of CESS (Computer Engineering Student Society)
- Intercollege cricket tournament