Baljinder Hothi

347-459-3124 |baljinderh.cs@gmail.com|https://baljinderhothi.github.io/
https://www.linkedin.com/in/baljinder-hothi

EDUCATION

Grove School Of Engineering at The City College of New York(Gsoe), City University of New York (CUNY)   Harlem, NY
Bachelor of Science in Computer Science, Minor In Business Administration   Expected June 2025
GPA: 3.2
Relevant Coursework:
Discrete Math, Probability and Statistics for Computer Science, Data Structures, Engineering Economics
Principles Of Management, Principles of Microeconomics, Principles of Macroeconomics
Upcoming Coursework:
Algorithms, Software Design Laboratory, Numerical Issues in Scientific Programming, Principles of Accounting, Machine Learning

SKILLS

Programming:, C++, Python, Pandas, NuMPI, Java, HTML, CSS, JavaScript, Node.js, MongoDB, Socket.io, jQuery
Technologies: Visual Studio Code, Eclipse, Adobe Photoshop, Windows OS, Mac OS, Adobe Premier, Arduino, Raspberry Pi
Languages: Proficient in spoken Punjabi, Urdu and Hindi

PROJECTS

Film Data Analysis Project - https://github.com/BaljinderHothi/CSC11300-Partnered-Final-Project   May 2023
- Collaborated with a partner on a data refinement and visualization project using Python, NuMPI, and Pandas
- Analyzed and processed over 1 million data entries from two directories
- Cleaned and sorted the data to facilitate analysis, gained proficiency in data cleaning, manipulation, and visualization
- Derived trends in user preferences across decades by evaluating review counts, ratings, and genres, unveiling top films per genre and presenting compelling insights

URL Shortener - https://github.com/BaljinderHothi/URL-Shortener-Code   July 2023
- Developed a local URL shortener using Python, HTML, and CSS
- Implemented a user-friendly web application allowing users to enter long URLs and receive shorter versions
- Designed an aesthetically pleasing interface with dynamic elements, showcasing proficiency in front-end development and back-end Python logic.

Spotify Clone - Work In Progress   August 2023 - Present
- Demonstrated exceptional problem-solving skills and a deep understanding of front-end and back-end technologies, resulting in the creation of a fully functional and captivating music streaming platform
- Collaborated with peers to cultivate teamwork skills and gain exposure to a simulated company environment
- Implemented a way to fetch data in the server by directly accessing the database without an API

PicSymphony - https://github.com/BaljinderHothi/CTP-Hackathon   August 2023
- Created a website project for the CTP 9th cohort hackathon with a team of four members, where we honed our skills in CSS, HTML, JavaScript, Node.js and ExpressJs, jQuery, Socket.io, and MongoDB while learning how to work efficiently as a team.
- Developing the project exposed us to a variety of new technologies and languages, diversifying our skill sets and making us more adaptable developers.
- Through this hackathon project, we gained practical experience by building a web application, reinforcing our passion for web development as well as working on the back end and its impact.

RELEVANT EXPERIENCE

CUNY Tech Prep, New York
Data Science Fellow   July 2023 - Present
- Selected for a competitive data science fellowship with students from across the 11 CUNY senior colleges where Fellows create technical projects using tools such as Python 3, Jupyter Notebooks, Pandas, Numpy, Scikit-learn, and SQL.
- Participate in weekly courses and learn industry best practices for exploratory data analysis (EDA), feature engineering, data collection and processing, statistical modeling, data visualization, machine learning techniques, data science process, and big data.

Alumni Outreach, Colin Powell School for Civic and Global Leadership
Research Assistant   November 2022 - April 2023
- Played a key role in enhancing the technology infrastructure used for sorting and storing alumni data, contributing to the development of an efficient and scalable system which optimized the Alumni Outreach program's performance.
- Collaborated closely with the Alumni Outreach team to identify areas for improvement in data management processes and provided valuable insights for streamlining data collection, storage, and analysis.
- Developed and maintained a highly organized Excel spreadsheet through extensive research on alumni, leveraging online platforms and databases