











Abhay Singh

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education	Cornell University – GPA: 4.16/4.00 <i>B.S. Computer Science</i>	Aug 2018 – May 2021 (expected)
experience	Technology Summer Analyst – Morgan Stanley Incoming Technology Summer Analyst at Morgan Stanley	June 2019 – Aug 2019
	Software Engineer Intern, Android – Damco Solutions Inc. Deployed Android application PhotoShelf (photoshelf.in) in development team of 4 <ul style="list-style-type: none">Implemented UI using Android Studio and XML in preparation of launchSped up workflow by 1 week by designing wireframes that allowed concurrent implementation of logic and UI designConsulted higher management and collaborated with the CEO & Managing Director to streamline the app's UX design and flow	June 2017 – June 2017
	Instructor & Curriculum Developer – Data Science for India Developed curriculum of 11 interactive-programming Jupyter notebooks, 12 statistics-based worksheets, and 1 final project, which was taught to over 400 students across India <ul style="list-style-type: none">Instructed course in-person to 38 students, beginning with fundamentals of Python and statisticsExtensively used numpy, pandas, and matplotlib to visualize, manipulate, and discern useful data from large data sets	July 2017 – October 2017
projects	Space Invaders  <ul style="list-style-type: none">Fully-functioning implementation of the retro arcade game Space Invaders with Model-View-Controller (MVC) and State design patternsThoroughly utilizes OOP fundamentals of data abstraction, encapsulation, and inheritance	<i>built using Python, Kivy</i>
	Virtual Stock Market  <ul style="list-style-type: none">RESTful web app that gives users \$10,000 of paper money and scrapes/parses live stock prices as JSON objects, storing them as purchases and sales of a given user in a databaseAllows users to: sign-up, login, change password, quote live stock prices, buy and sell stocks at live prices, view index of owned stocks with total live value, & view trade history	<i>built using Flask, Python, SQLite, JavaScript, HTML, CSS</i>
	Spellchecker  <ul style="list-style-type: none">Checks inputted text file for misspellings against a changeable dictionary and prints out all misspelled words in a command-line interface (CLI)Stores every word of entire English dictionary in a self-implemented hash table, using low-level memory management with pointer references, malloc(), and free()	<i>built using C</i>
	Reddit Playlist <ul style="list-style-type: none">Android app that converts user-selected subreddits into objects for conversion into live YouTube playlists to watch or listenRetrieves video posts using a subreddit's RSS feed and YouTube's API to format into a ListView	<i>built using Java, XML, Android Studio</i>
	JPEG Recovery  <ul style="list-style-type: none">CLI application that recovers JPEG files from formatted memory cards (.raw files)	<i>built using C</i>
	Tweet Sentiment Analyzer  <ul style="list-style-type: none">Takes an inputted Twitter username and scores user's tweets as positive, neutral, or negative	<i>built using Flask, Python, HTML, CSS</i>
	Puzzle of Fifteen  <ul style="list-style-type: none">Plays the puzzle of fifteen game (en.wikipedia.org/wiki/15_puzzle) in a CLI	<i>built using C</i>
skills	Python, Java, HTML, CSS, JavaScript, C, Git, Flask, Bash/Shell, L ^A T _E X	