

ANISH LADDHA

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Education

West Lafayette, IN	Purdue University	Aug 2021 - May 2025
<ul style="list-style-type: none">Bachelors of Science in Computer Engineering, Concentration in Artificial Intelligence and Machine LearningGPA (M): 3.57; Dean's List and Semester Honors		
Fremont, CA	Mission San Jose High School	Aug 2017 - June 2021

Experience

Software Engineer, Intern	Visa Inc.	May 2023 - Aug 2023
Software Engineer, Intern	Visa Inc.	May 2022 - Aug 2022
<ul style="list-style-type: none">Designed and Created a REST API from scratch using MySQL, Java, SpringBoot, and Autowired on an Apache server, and reduced project enrollment/update times by ~1 hour per projectIntegrated API with existing infrastructure supporting 20+ critical applications across the companyAddressed 21 high level security issues in the Lighthouse test automation framework in PythonProtected against command line injection and file traversal attacks		
Software Engineer, Intern	Impressico Inc.	July 2020 - Aug 2020
<ul style="list-style-type: none">Analyzed millions of time series data points of heating, lighting, motion information for Aramark buildings with large energy consumption (i.e. corporate offices and skyscrapers)Used Python (pandas, numpy, matplotlib) to clean, process, and plot/examine data, and then ran regression tests to create predictive models of energy useFound an optimal energy consumption and usage plan, factoring in pricing and activity		
Software Engineer, Shadow	Cisco Systems	May 2020 - June 2020
<ul style="list-style-type: none">Developed on the IOS XR operating system, with fiber optic/ethernet switchesProgrammed in C and Python to create a log processor/debugger that provided error and status codes for user specified parametersAddressed a bottle neck in the development process by automating debugging process		

Projects

Spotify2Apple — Python, PyQt5, Spotify/YouTube/AppleMusic APIs
<ul style="list-style-type: none">Created a cross-platform desktop application with PyQt to download Spotify playlists to Apple MusicIncorporated multithreading to cut download/editing time by ~80%; achieved a conversion rate of ~3 songs/secondAggregated song metadata from Spotify and Youtube API's, and edited audio files using eyed3
URL Shortener with Analytics — Node.js, MongoDB, Express, EJS, HTML/CSS/JS
<ul style="list-style-type: none">Used the MERN stack to create a full stack URL shortener (like bit.ly), that can track link/user statistics
Uber/Lyft Price Comparison App — Swift, Xcode, Cocoapods, Google Maps/Apple Location APIs

Skills

Languages: Python, Java, C, C++, HTML/CSS/Javascript, Swift

Frameworks/Technologies: Node.js, MongoDB, Pandas, Numpy, Matplotlib, Matlab, Shell scripting, Springboot

Relevant Coursework: Data Structures, Digital Systems, Differential Equations, Linear Algebra, Electrical Engineering 1+2, Intro to Unix/Linux Shell Scripting, Intro to C++, Discrete Structures, Python for Data Science