

# Raviteja Tammana

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## EDUCATION

### University of California, Irvine

Irvine, CA

*Bachelor of Science in Computer Engineering, GPA: 3.89*

*June 2026*

Multivariable Calculus, Linear Algebra, Differential Equations, Discrete Structures,  
Introduction to Programming (Python), Computer Programming I (Java),  
Computer Systems & C Programming, Introduction to Digital Systems, Organization of Digital Computers

## EXPERIENCE

### Data Analytics Student Intern

May 2023 - Present

*California Department of Conservation*

*Sacramento, CA*

- Extracted and analyzed data from WellSTAR Database using Microsoft Excel and SQL to discover trends and locate missing information
- Used Microsoft Power BI to create summary reports for acquired data and completed tasks

### Software Engineering Team Member

April 2023 - Oct. 2023

*UC Irvine Legacy Robotics*

*Irvine, CA*

- Learned Computer Vision basics using OpenCV and YOLO Object Detection to detect static objects and track objects in motion

### Digital Manager

Sep. 2020 - March 2021

*Team In It to Cure It*

*Elk Grove, CA*

- Modernized team website to appear more visually appealing and attract more individuals to donate. Digitized important information to integrate into team website
- Led weekly meetings to teach team members basic skills and concepts regarding web design

### Member of Business, Mechanical, & Programming Subteams

Sep. 2018 - May 2022

*EagleForce Robotics (FIRST)*

*Elk Grove, CA*

- Mastered and employed Autodesk AutoCAD and Inventor to generate 2D and 3D models of parts necessary for our robot
- Accelerated the process of robot enhancement through exploring data analysis and management with tools including Microsoft Excel, SQL, and Python
- Presented team achievements and goals to organizations offering grants to earn funds for the robot's components and travel expenses

## PROJECTS

### WanderWise | *Java, XML, Android Studio, Github, Yelp Fusion API*

April 2023

- Created an Android app that returns an inputted city's top 5 most "overrated" and "underrated" restaurants determined by a crafted formula
- Designed backend using Java in Android Studio and frontend using XML
- Employed Github for version control and collaboration

### LyricGenius | *Python, HTML, CSS, JavaScript, Flask, Ngrok, Genius API*

November 2022

- Developed a website that generates lyric quizzes for the user by returning a song's lyrics with random blanks for the user to fill out based on an inputted artist and song name
- Designed backend using Python, frontend using HTML, CSS, and JavaScript, and connected both through Flask and Ngrok. Utilized Genius API to retrieve song lyrics

## TECHNICAL SKILLS

**Languages:** Python, Java, C, HTML, CSS, SQL, VHDL

**Frameworks/Libraries:** Flask, Ngrok, OpenCV

**Softwares:** AutoCAD, Autodesk Inventor, Vivado, Git, Xubuntu, Microsoft Power BI, Microsoft SQL Server

**Hardware:** Digital Logic Design, Digital Systems, Memory Architecture, Circuit Design