

## [Aditya Nirgun](#)

819 H Street Davis, CA 95616

Contact #: (916) 248-6230 | email: [aditya@nirgun.com](mailto:aditya@nirgun.com)

### **EDUCATION**

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**University of California, Davis**

Expected Mar. 2019

*Bachelor of Science, Plant Science*

- GPA: 2.4
  - Relevant Coursework: Single & Multivariable Calculus, Linear Algebra, Differential Equations, MATLAB Programming, Circuits, Applied Statistics for Bio Sci, Plant Genetics, Plant Metabolic Processes

### **PROJECT EXPERIENCE**

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*Foundations of Biosystems Engineering Algal Bioreactor Project*

Jan. 2017 – Mar. 2017

- An original design and construction was conceived for the purpose of cultivating algae and potentially extracting ethanol-based biofuels
- Project limitations included carbon footprint, energy efficiency, and portability

*MATLAB Audio Sampler*

Mar. 2016

- Music editing and creation application written in the MATLAB environment
- Functionality included playback, interactive waveform visualization, high pass filter, analog synthesizers, BPM and tempo adjustment, and audio filters such as high pass and vocal removal

### **SKILLS & INTERESTS**

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Experience with lab equipment and procedures in Chemistry and Biology Laboratories

*Programming skills:* MATLAB, HTML, Python, PHP, and R

*Software skills:* Excel, WordPress, BLAST, R Studio, Adobe Photoshop, Adobe InDesign, Adobe Premier Pro, Blender, Unity, Ableton, Traktor

### **WORK EXPERIENCE**

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*Accenture – Contractor*

July 2014 – Sept. 2014

- Built a Mediawiki site for the C-IV project's technical documentation

*UC Davis IET – Student Staff*

- Scripted, recorded, and published customer support tutorial videos intended for the UC Davis internet userbase

### **VOLUNTEER EXPERIENCE**

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Instructed students at Rocklin Unified School District's summer school for English Language Learners

Art Involvement Chair of Joshua's House Student Organization at UC Davis

Fall 2016 - Present

### **HONORS AND AWARDS**

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Valedictorian upon high school graduation

National Merit Scholar

### **EXTRACURRICULARS**

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2010-2014 Technical/Build Event Team Leader in Science Olympiad

2013-2014 Secretary of Chess Club

2012-2013 Whitney High Journalism Team

2015-Present Flameworking

2016-Present Art Involvement Chair for Joshua's House

2017-Present Blender Rendering and Animation

2014-Present Independent Music Production