

[Aditya Nirgun](#)

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EDUCATION

University of California, Davis

Expected Mar. 2019

Bachelor of Science, Plant Science

- GPA: 2.38
 - Relevant Coursework: Single & Multivariable Calculus, Linear Algebra, Differential Equations, MATLAB Programming, Circuits, Applied Statistics for Bio Sci, Plant Genetics, Plant Metabolic Processes

PROJECT EXPERIENCE

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

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

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

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

Valedictorian upon high school graduation

National Merit Scholar

EXTRACURRICULARS

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