

ANKUR AHIR

US Citizen | [linkedin.com/in/ankur-ahir-93b041211](https://www.linkedin.com/in/ankur-ahir-93b041211) | github.com/Ankur-0429

EDUCATION

University of California: Santa Cruz

B.S. in Computer Engineering

- **GPA:** 3.8/4.0, Dean's List
- **Related Coursework:** Data Structures and Algorithms, Systems Programming, Distributed Systems, Computer Networks, Computer Architecture

EXPERIENCE

Nutanix

Apr 2024 – Jun 2024

Software Development Capstone

San Jose, CA

- Engineered an advanced data visualization system for Nutanix, harnessing over two years of extensive test data
- Organized thousands of JSON files into a PostgreSQL database, automated deployment using Docker, and created backup and restore processes
- Designed a test sharing functionality, allowing users to easily disseminate test results through direct links

Experimental and Virtualized Systems Research Lab

Sep 2023 – Dec 2023

Research Assistant

Santa Cruz, CA

- Developed a web socket server using Spring Boot and Pub/Sub architecture, enabling users to join chat rooms, resulting in an average latency of 200ms
- Implemented a logistic regression-based ranking algorithm to prioritize questions answered incorrectly by users
- Maintained the codebase with Jest, React testing library, and test driven development (TDD)

Lockheed Martin

Jun 2021 – Dec 2022

Software Development Engineering Intern

Remote

- Collaborated with engineers and product managers during daily scrum meetings, story pointing, and code reviews
- Conducted system testing using SonarQube to identify exposed API keys, poor coding practices, and security vulnerabilities. Implemented an automated email reporting system to alert the team of severe issues
- Streamlined CI/CD pipeline to build, test, and deploy five repositories using Docker and Gitlab, reducing deployment time by 30%

PROJECTS

Slugswap | React Native, Firebase

Jan 2023

- Achieved first place out of 87 teams for UX/UI design, designing a React Native food-delivery app that allows college students to donate surplus food
- Implemented static analysis with ESLint, state management with Jotai, authentication with Firebase, and consistent UI with Nativebase
- Conducted user testing with four clients over two days, resulting in the identification of three usability issues each unit tested

Remedia | Python, Flask, React Native, Firebase

Jan 2022

- Designed a mobile application that informs clients on when to use a certain drug based on the image taken, winning second place out of 46 teams for health-based software
- Created a web scraper in python to extract relevant data from over 6,000 drugs and provide a detailed description of the use case of the drug and its side effects
- Implemented Google's text detection API to extract the name of a drug from an image of a prescription bottle

RecycleMe | Python, Flask, React Native, Firebase

Sep 2021 – Apr 2022

- Programmed a mobile application in Python and React Native that determines the recyclability of an item based on a picture taken by a client
- Developed an image-based ML model that segments and categorizes items by image with a 63% accuracy using the TACO dataset
- Created a CI/CD pipeline to automatically push new features to our backend system with Google cloud run

SKILLS

Languages: Java, JavaScript (ES5 and ES6), React, HTML5, CSS3, React Native, Python

Developer Tools: Git, Agile Methodology, Docker, VS Code, VIM



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Name: Ahir, Ankur
Student ID: 1860325

Institution Info: University of California, Santa Cruz
1156 High Street
Santa Cruz, CA 95064

Degrees Awarded

Degree: Bachelor of Science
Confer Date: 06/13/2024
Degree Honors: University Honor, Cum laude
Plan: BS in Computer Engineering with Highest Honors
Sub-Plan: (Systems Programming)
Plan: John R. Lewis College

Test Credits:

Test Credits Applied Toward Undergraduate Program

Test Trans GPA:	0.000	Transfer Totals:	Attempted 48.000	Earned 48.000	Points 0.000
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Beginning of Undergraduate Record

2021 Summer Quarter

Program: Undergrad Non-degree
Plan: Non-Degree

Course		Description	Attempted	Earned	Grade	Points
CLTE	1A	Univ Life & Learning	1.00	1.00	P	0.000

			Attempted	Earned	GPA Units	Points
Term GPA	0.00	Term Totals	1.00	1.00	0.00	0.000
Transfer Term GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	0.00	Comb Totals	1.00	1.00	0.00	0.000
Cum GPA	0.00	Cum Totals	1.00	1.00	0.00	0.000
Transfer Cum GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined Cum GPA	0.00	Comb Totals	1.00	1.00	0.00	0.000

2021 Fall Quarter

Program: Undergraduate
Plan: Computer Engineering
Plan: College Ten

Course		Description	Attempted	Earned	Grade	Points
CLTE	1	ALE: Social Justice	5.00	5.00	A	20.000
CSE	30	Prog Abs Python	7.00	7.00	A	28.000
MATH	19B	Calc:Sci,Engin,Math	5.00	5.00	A	20.000

Term Honor: Dean's Honors

Academic Standing Effective 12/15/2021: Good Standing

			Attempted	Earned	GPA Units	Points
Term GPA	4.00	Term Totals	17.00	17.00	17.00	68.000
Transfer Term GPA		Transfer Totals	48.00	48.00	0.00	0.000
Combined GPA	4.00	Comb Totals	65.00	65.00	17.00	68.000
Cum GPA	4.00	Cum Totals	18.00	66.00	17.00	68.000
Transfer Cum GPA		Transfer Totals	48.00	48.00	0.00	0.000
Combined Cum GPA	4.00	Comb Totals	66.00	66.00	17.00	68.000

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2022 Winter Quarter

Program: Undergraduate
Plan: Computer Engineering
Plan: College Ten

Course		Description	Attempted	Earned	Grade	Points
AM	10	Math Methods I	5.00	5.00	A+	20.000
ARTG	91	Intro Game Art Prod	5.00	5.00	A+	20.000
CSE	12	Com Sys/Assmby Lan	7.00	7.00	A-	25.900

Term Honor: Dean's Honors

Academic Standing Effective 03/23/2022: Good Standing

			Attempted	Earned	GPA Units	Points
Term GPA	3.87	Term Totals	17.00	17.00	17.00	65.900
Transfer Term GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	3.87	Comb Totals	17.00	17.00	17.00	65.900
Cum GPA	3.93	Cum Totals	35.00	83.00	34.00	133.900
Transfer Cum GPA		Transfer Totals	48.00	48.00	0.00	0.000
Combined Cum GPA	3.93	Comb Totals	83.00	83.00	34.00	133.900

2022 Spring Quarter

Program: Undergraduate
Plan: Computer Engineering
Plan: College Ten

Course		Description	Attempted	Earned	Grade	Points
AM	20	Math Methods II	5.00	5.00	A	20.000
AM	30	SOE Calculus III	5.00	5.00	A-	18.500
CSE	13S	Comp Sys and C Prog	7.00	7.00	A	28.000
WRIT	2	Rhetoric & Inquiry	5.00	5.00	A-	18.500

Term Honor: Dean's Honors

Academic Standing Effective 06/10/2022: Good Standing

			Attempted	Earned	GPA Units	Points
Term GPA	3.86	Term Totals	22.00	22.00	22.00	85.000
Transfer Term GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	3.86	Comb Totals	22.00	22.00	22.00	85.000
Cum GPA	3.90	Cum Totals	57.00	105.00	56.00	218.900
Transfer Cum GPA		Transfer Totals	48.00	48.00	0.00	0.000
Combined Cum GPA	3.90	Comb Totals	105.00	105.00	56.00	218.900

2022 Summer Quarter

Program: Undergraduate
Plan: Computer Engineering
Plan: John R. Lewis College

Course		Description	Attempted	Earned	Grade	Points
CSE	16	Appl Discrete Math	5.00	5.00	B	15.000

Academic Standing Effective 08/16/2022: Good Standing

			Attempted	Earned	GPA Units	Points
Term GPA	3.00	Term Totals	5.00	5.00	5.00	15.000
Transfer Term GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	3.00	Comb Totals	5.00	5.00	5.00	15.000
Cum GPA	3.83	Cum Totals	62.00	110.00	61.00	233.900
Transfer Cum GPA		Transfer Totals	48.00	48.00	0.00	0.000
Combined Cum GPA	3.83	Comb Totals	110.00	110.00	61.00	233.900

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2022 Fall Quarter

Program: Undergraduate
Plan: Computer Engineering
Plan: John R. Lewis College

Course		Description	Attempted	Earned	Grade	Points
CSE	101	Data Structs & Algs	5.00	5.00	A	20.000
FILM	80S	Sp Top Film/Dig Med	5.00	5.00	A	20.000
PHYS	5A	Intro Physics I	5.00	5.00	A-	18.500
PHYS	5L	Intro Phys I Lab	1.00	1.00	A	4.000

Term Honor: Dean's Honors

Academic Standing Effective 12/15/2022: Good Standing

			Attempted	Earned	GPA Units	Points
Term GPA	3.90	Term Totals	16.00	16.00	16.00	62.500
Transfer Term GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	3.90	Comb Totals	16.00	16.00	16.00	62.500
Cum GPA	3.84	Cum Totals	78.00	126.00	77.00	296.400
Transfer Cum GPA		Transfer Totals	48.00	48.00	0.00	0.000
Combined Cum GPA	3.84	Comb Totals	126.00	126.00	77.00	296.400

2023 Winter Quarter

Program: Undergraduate
Plan: BS in Computer Engineering
Subplan: (Systems Programming)
Plan: John R. Lewis College

Course		Description	Attempted	Earned	Grade	Points
CSE	100	Logic Design	5.00	5.00	B	15.000
CSE	100L	Logic Design Lab	2.00	2.00	B	6.000
CSE	120	Computer Architect	5.00	5.00	A+	20.000
PHYS	5C	Intro Physics III	5.00	5.00	A+	20.000
PHYS	5N	Intro Phys III Lab	1.00	1.00	A	4.000

Academic Standing Effective 03/28/2023: Good Standing

			Attempted	Earned	GPA Units	Points
Term GPA	3.61	Term Totals	18.00	18.00	18.00	65.000
Transfer Term GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	3.61	Comb Totals	18.00	18.00	18.00	65.000
Cum GPA	3.80	Cum Totals	96.00	144.00	95.00	361.400
Transfer Cum GPA		Transfer Totals	48.00	48.00	0.00	0.000
Combined Cum GPA	3.80	Comb Totals	144.00	144.00	95.00	361.400

2023 Spring Quarter

Program: Undergraduate
Plan: BS in Computer Engineering
Subplan: (Systems Programming)
Plan: John R. Lewis College

Course		Description	Attempted	Earned	Grade	Points
CSE	111	Adv Programming	5.00	5.00	A	20.000
CSE	130	Prin Comp Sys Dsgn	5.00	5.00	B+	16.500
PHYS	5B	Intro Physics II	5.00	5.00	B+	16.500
PHYS	5M	Intro Phys II Lab	1.00	1.00	B	3.000

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Academic Standing Effective 06/20/2023: Good Standing

			<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	3.50	Term Totals	16.00	16.00	16.00	56.000
Transfer Term GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	3.50	Comb Totals	16.00	16.00	16.00	56.000
Cum GPA	3.76	Cum Totals	112.00	160.00	111.00	417.400
Transfer Cum GPA		Transfer Totals	48.00	48.00	0.00	0.000
Combined Cum GPA	3.76	Comb Totals	160.00	160.00	111.00	417.400

2023 Summer Quarter

Program: Undergraduate
Plan: BS in Computer Engineering
Subplan: (Systems Programming)
Plan: John R. Lewis College

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
CSE	115A	Intro Software Eng	5.00	5.00	A	20.000
ECE	101	Intro Elec Circuits	5.00	5.00	A	20.000
ECE	101L	Intr Elec Circ Lab	2.00	2.00	A	8.000
HAVC	118	Contemp African Dia	5.00	5.00	A	20.000
LALS	151	Race & Mobility	5.00	5.00	A	20.000

Term Honor: Dean's Honors

Academic Standing Effective 08/02/2023: Good Standing

			<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	4.00	Term Totals	22.00	22.00	22.00	88.000
Transfer Term GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	4.00	Comb Totals	22.00	22.00	22.00	88.000
Cum GPA	3.80	Cum Totals	134.00	182.00	133.00	505.400
Transfer Cum GPA		Transfer Totals	48.00	48.00	0.00	0.000
Combined Cum GPA	3.80	Comb Totals	182.00	182.00	133.00	505.400

2023 Fall Quarter

Program: Undergraduate
Plan: BS in Computer Engineering
Subplan: (Systems Programming)
Plan: John R. Lewis College

<u>Course</u>		<u>Description</u>	<u>Attempted</u>	<u>Earned</u>	<u>Grade</u>	<u>Points</u>
CSE	107	Probability/Stats	5.00	5.00	A	20.000
CSE	138	Distributed Systems	5.00	5.00	A	20.000
CSE	150	Intro Comp Networks	7.00	7.00	A	28.000
CSE	185E	Tech Writ Comp Engs	5.00	5.00	A	20.000

Term Honor: Dean's Honors

Academic Standing Effective 12/19/2023: Good Standing

			<u>Attempted</u>	<u>Earned</u>	<u>GPA Units</u>	<u>Points</u>
Term GPA	4.00	Term Totals	22.00	22.00	22.00	88.000
Transfer Term GPA		Transfer Totals	0.00	0.00	0.00	0.000
Combined GPA	4.00	Comb Totals	22.00	22.00	22.00	88.000
Cum GPA	3.82	Cum Totals	156.00	204.00	155.00	593.400
Transfer Cum GPA		Transfer Totals	48.00	48.00	0.00	0.000
Combined Cum GPA	3.82	Comb Totals	204.00	204.00	155.00	593.400

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2024 Winter Quarter

Program: Undergraduate
Plan: BS in Computer Engineering
Subplan: (Systems Programming)
Plan: John R. Lewis College

Course	Description	Attempted	Earned	Grade	Points
CSE 113	Parallel Programing	5.00	5.00	A	20.000
CSE 115B	Software Design Pro	5.00	5.00	A	20.000
CSE 186	Full Stack Web Dev. I	5.00	5.00	B+	16.500

Academic Standing Effective 03/20/2024: Good Standing

		Attempted	Earned	GPA Units	Points
Term GPA	3.76	Term Totals	15.00	15.00	56.500
Transfer Term GPA		Transfer Totals	0.00	0.00	0.000
Combined GPA	3.76	Comb Totals	15.00	15.00	56.500
Cum GPA	3.82	Cum Totals	171.00	219.00	170.00
Transfer Cum GPA		Transfer Totals	48.00	48.00	0.00
Combined Cum GPA	3.82	Comb Totals	219.00	219.00	170.00

2024 Spring Quarter

Program: Undergraduate
Plan: BS in Computer Engineering
Subplan: (Systems Programming)
Plan: John R. Lewis College

Course	Description	Attempted	Earned	Grade	Points
CSE 115C	Software Design II	5.00	5.00	A+	20.000
CSE 121	Embedded System Design	7.00	7.00	A+	28.000
ECE 103	Signals & Systems	5.00	5.00	A	20.000
ECE 103L	Signals Systems Lab	2.00	2.00	B+	6.600

Term Honor: Dean's Honors

Academic Standing Effective 06/08/2024: Good Standing

		Attempted	Earned	GPA Units	Points
Term GPA	3.92	Term Totals	19.00	19.00	74.600
Transfer Term GPA		Transfer Totals	0.00	0.00	0.000
Combined GPA	3.92	Comb Totals	19.00	19.00	74.600
Cum GPA	3.83	Cum Totals	190.00	238.00	189.00
Transfer Cum GPA		Transfer Totals	48.00	48.00	0.00
Combined Cum GPA	3.83	Comb Totals	238.00	238.00	189.00

Undergraduate Career Totals

Cum GPA:	3.83	Cum Totals	190.00	238.00	189.00	724.500
Transfer Cum GPA		Transfer Totals	48.00	48.00	0.00	0.000
Combined Cum GPA	3.83	Comb Totals	238.00	238.00	189.00	724.500
UC GPA:	3.83					

Non-Course Milestones

American History Requirement

Status: Completed
Program: Undergraduate

American Institutions Requirement

Status: Completed
Program: Undergraduate

Univ. of Calif. Entry Level Writing Requirement

Status: Completed



*** U N O F F I C I A L ***

Name: Ahir, Ankur
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Program: Undergraduate

Comprehensive Courses in the Major

Status: Completed

Program: Undergraduate

End of *** U N O F F I C I A L ***



*** U N O F F I C I A L ***

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Student ID: 1860325

Institution Info: University of California, Santa Cruz
1156 High Street
Santa Cruz, CA 95064

Degrees Awarded

Degree: Bachelor of Science
Confer Date: 06/13/2024
Degree Honors: University Honor, Cum laude
Plan: BS in Computer Engineering with Highest Honors
Sub-Plan: (Systems Programming)
Plan: John R. Lewis College

End of *** U N O F F I C I A L ***