

Ankush Patel

530 Brannan St. Apt. 402 San Francisco, CA 94107

ankushp.com | ap@ankushp.com | (901) 651-8105

Education	The University of Tennessee Knoxville, TN	
	Bachelor of Science, Computer Science and Mathematics Master of Science, Computer Science	GPA: 3.81 Expected May 2023
Work Experience	Meta Software Engineer	Sept 2022 – Nov 2022
	<ul style="list-style-type: none">• Built an API in PHP and GraphQL to automate branded content creation• Led a product meeting to build out specifications for branded content platform• Onboarded teammates onto GraphQL pipeline• Designed mock unit tests for ML pipeline	
	Graduate Research Assistant for Neuromorphic Computing	May 2019 – Dec 2022
	<i>TENNLab – neuromorphic.eecs.utk.edu Dr. James S. Plank</i> <ul style="list-style-type: none">• Designed simulations that are used for training and testing neuromorphic algorithms• Implemented shell scripts for parameter selection in training and for bug testing the framework• Documented software for usage and future development purposes	
	Graduate Teaching Assistant	Aug 2019 – May 2022
	<i>The University of Tennessee Knoxville, TN</i> CS465/565 – Databases/Scripting Languages CS302 – Data Structures & Algorithms II CS140 – Data Structures & Algorithms I <ul style="list-style-type: none">• Held weekly office hours to help students with labs and course concepts• Lead weekly lab sessions to breakdown the labs and offer additional assistance• Graded homework, labs, and exams in coordination with other teaching assistants	
Projects	AT&T Software Engineer Intern	June 2021 – Aug 2021
	<ul style="list-style-type: none">• Built a REST API to automate audits• Interacted with over 50 million points of data stored in a Cassandra database• Designed queries to provide audits in near real time• Developed the API using Java, Spring Boot, and Postman	
	Co-Founder & Project Manager of Citiwrks	Mar 2019 – Aug 2020
	<i>Citiwrks LLC Knoxville, TN</i> <ul style="list-style-type: none">• Developed mobile app for city of Knoxville to manage their road repairs• Implemented ticket system for routing repairs within an interactive dashboard• Organized meetings with clients, lawyers, and advisors• Achieved 30 daily users and made \$7000 in revenue• Technology used: JavaScript, Angular, Ionic, Firebase, HTML, CSS	
	PyKin	Sept 2020
	<i>Patient mobility tool VolHacks IV</i> <ul style="list-style-type: none">• Engineered a Raspberry Pi hardware hack that tracks patient mobility using a gyroscope and sends data to a dashboard via Bluetooth• Integrated read and write over RFCOMM for displaying gyroscope data• Technology used: Python, Raspberry Pi, Bluetooth	
	Technical Skills	
	Languages C/C++ Python Java JavaScript Shell Scripting SQL	
	Industry ML/AI TensorFlow Agile Leadership Teaching	
	Tools Git/Mercurial Linux Docker VS Code Jira Excel 120+ WPM	