# ISHAN CHAWLA

P: **(650)-656-7104**     E: ishan.kpv@gmail.com     L: in/ishan-chawla     A: **Menlo Park, CA**

## EDUCATION

**University of California, Merced**                                                                 *2026*
  B.S. Computer Science, GPA 3.7
    Intro to Programming (A+), Advanced Programming (A+), The Machine Learning Age (A), Data
    Structures and Algorithms (A), Chancellor's Honors

  **App Academy, New York City**                                                                 *2024*
    An in-person full-stack web development bootcamp spanning 16 weeks, covering JavaScript, React,
    Redux, SQL, MongoDB, Express.js, Ruby on Rails, TDD and all necessary skills for full-time SWE roles

## EXPERIENCE

**Founding Engineer**                                                               *Sept 2023 - present*
Shoppd (startup)
  • Created the company landing page featuring mobile-friendly responsive design and a modern sleek UI
  • Integrated Google Cloud Firestore to collect user emails for a waitlist in a NoSQL document database
  • Building iOS Mobile app using SwiftUI to load Amazon order history and synchronize with server data
  • Developing back-end infrastructure using AWS API Gateway, DynamoDB, Neptune, and Gremlin QL
  • Writing serverless AWS Lambda functions in Node.js with properly managed IAM roles and policies

**Artificial Intelligence and Machine Learning Instructor**               *June 2023 - Aug 2023*
iD Tech Camps
  • Taught AI and ML, including data transformation and image classification using Keras and other libraries
  • Independently managed classes of 8-12 high schoolers, debugging their unique AI projects
  • Translated complex neural network concepts and terminology into understandable language

**Software Engineering Intern**                                                    *June 2022 - Aug 2022*
 Merge
  • Merge is an app-based company that combines users' credit cards to automatically maximize rewards
  • Teamed up with 3 engineers to develop a chrome extension to extract relevant details from webpages
  • Singlehandedly prototyped the main features using the HTML DOM API and chrome extension APIs

## PROJECTS                                                                          **(Github: /KooShnoo)**

**Website - lipu sinpin** *(React, Redux, Ruby on Rails, TypeScript)*                        *Jan 2024*
  • Launched a full stack clone of Facebook with user profiles, likes, image attachments, and more
  • Implemented custom data fetching logic, including state control and loading, error, and success states
  • Developed custom user auth using bcrypt to secure user passwords and session tokens for logins

**Website - Pokémon Programming** *(Three.js, Monaco, Jasmine/Jest, TypeScript)*              *Dec 2023*
  • Produced a gamified lesson platform, teaching users programming through simple coding exercises
  • Implemented 3D Pokémon characters with animations responsive to user progress for gamification
  • Integrated a code editor, linter, and testing framework for a fully featured development experience

**Website, Desktop App, Wii Program - Meenle-Noonle** *(Rust, Wasm, JavaScript, Blender)*     *July 2022*
  • Engineered a client-side 3D software raster renderer capable of displaying and transforming 3D meshes
  • Programmed render logic in Rust from scratch with no dependencies, compiled to Wasm for the web

## SKILLS

  • Languages: English (Native), Spanish (Intermediate), German (Intermediate), Hindi (Passive Bilingual)
  • Programming: Gremlin QL, Swift/SwiftUI, Rust, TypeScript, React, Express, Node.js, Ruby on Rails, Flutter,
    SQL, MongoDB, Python, Keras, AWS, C++, Firebase, Blender