Ankit Ahuja

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http://ankitahuja.com/about

Experience

- **Coursera, Mountain View**   October 2014 - Dec 2021
  Senior Staff Software Engineer

  - Led the development of Coursera's design system to ensure product features meet accessibility standards (WCAG 2.2 AA) and use consistent design patterns. It helped improve code quality and developer productivity by reusing components and APIs. 20+ designers and 60+ engineers spread across the USA, Canada, UK, and Dubai use the system.
  - Led the adoption and migration to TypeScript at Coursera to enable type-safety in the entire front-end codebase. The majority of the codebase (>50%) is in TypeScript, and it is the default programming language used by 60+ engineers.
  - Helped define long-term architecture, plan execution on engineering-wide initiatives, and perform technical design reviews as part of the architecture group at Coursera.
  - Developed an end-to-end testing framework for Coursera's codebase using Puppeteer and Jest. It is now an essential tool to prevent product regressions on 100+ critical product flows.
  - Other notable projects – Improved web performance for in-course learning experience using server-side rendering (TTI improvements by 70%); built key product features including content authoring tools, content rating systems, and framework to display real-time tips to learners.

- **LinkedIn, Mountain View**   July 2013 - October 2014
  Software Engineer

  - Led the design and implementation of MVC-based frontend architecture for Sales Navigator. Built several key product features including login, onboarding, search and settings.

- **Department of Computer Science, Virginia Tech**   August 2011 - May 2013
  Graduate Research Assistant

  - Built Contextinator for my Master's Thesis (*http://ankitahuja.com/thesis/*), a browser extension that lets users divide their web browsing sessions into projects and manage all their project-related information stored on the web.

- **Khan Academy, Mountain View**   May - August 2012
  Software Developer Intern

  - Designed and implemented the client and backend for user discussions displayed in different contexts on khanacademy.org. Other projects included profile improvements, refactoring video page discussions, and moderation tools.

Side Projects

- **Stylebot** - *https://stylebot.dev/*

  Lets users manipulate the appearance of any webpage through a WYSIWYG interface in the web browser. More than 200,000 active users across Chrome, Firefox, and Edge. Featured Firefox extension.

- **Vue Photos** - *https://ankitahuja.com/vue-photos*

  A minimal Vue library to display self-hosted photo albums.

Education

- **M.S. Computer Science**   May 2013
  Specializing in Human Computer Interaction
  Virginia Tech, Blacksburg, VA
  GPA: 3.95 / 4.0

- **B.E. Computer Science and Engineering**   August 2010
  SBIT, MDU, India

Talks and Writing

- **Improving End-to-End Testing at Coursera using Puppeteer and Jest** - *https://medium.com/coursera-engineering/ improving-end-to-end-testing-at-coursera-using-puppeteer-and-jest-5f1bac9cd176*

- **Make editing courses on Coursera fun** - *https://medium.com/coursera-engineering/make-editing-courses-on-coursera-fun-bf6635f44cbf*

- **Contextinator - Project-based Management of Personal Information on the Web** - Ankit Ahuja, Ben Hanrahan and Manuel A. Perez-Quinones: WEBIST 2014

- **Virtual Town Square - Building a Local Information Ecosystem** - Ankit Ahuja: Center for HCI Seminar Series, Virginia Tech, Blacksburg, VA; Feb 2013

- **Designing a Location-Based Interface for a Hyper-local News Aggregator** - Ankit Ahuja, Andrea Kavanaugh: Open Locast U Symposium, MIT Mobile Experience Lab, MIT, Cambridge, MA; Jan 2013