

Archit Mehta

SOFTWARE ENGINEER · COMPUTER SCIENCE MAJOR · CORNELL UNIVERSITY

433 Mary Donlon Hall, Ithaca, NY, 14850

☎ (+1) 609-277-5900 | ✉ 4architmehta@gmail.com | 🏠 www.architmehta.me | 💻 github.com/Archit404Error | 🔗 linkedin.com/in/4architmehta

Education

Cornell University

Ithaca, NY

B.S. IN COMPUTER SCIENCE, COLLEGE OF ENGINEERING

Aug 2021 - May 2025(Expected)

- Relevant Courses: Data Structures Honors, Intro to Computer Science, Intro to Entrepreneurship for Engineers, Linear Algebra, Multivariable Calculus, Physics II, Physics I

West Windsor-Plainsboro Highschool North

West Windsor, NJ

HIGH SCHOOL DIPLOMA

Aug 2017 - Jun 2021

- GPA: 4.0/4.0
- Top 1% of class
- National Honors Society
- National Merit Scholar Finalist

Skills

DevOps AWS, Azure, Google Cloud, Docker, Kubernetes, Gradle, Git

Back-end GraphQL, Node.js, Flask, Axios, Express, Django, REST API

Front-end Bootstrap, Jekyll, React.js, HTML5, CSS, Wordpress

Programming Python, Java, PHP, Javascript, OCaml, LaTeX

Machine Learning TensorFlow, PyNEAT, SkLearn, Pandas

Languages English, Hindi(Fluent), French(Proficient)

Experience

Junior State of America Foundation

New Jersey, USA

SOFTWARE DEVELOPER AND ELECTED OFFICIAL

Jul. 2020 - Oct. 2020

- Elected by over 1500+ students to the position of Speaker of the State Assembly, responsible for using technology and legislation to improve the Junior State of America foundation.
- Eliminated inefficiencies by creating "The State Assembly Online" platform, which enabled students to automatically generate bills, partner with other students, and submit areas of improvement digitally.
- Configured and administrated an online voting platform used by 1000+ students to cast their ballots for the next generation of student leaders.
- Collaborated directly with JSA corporate management in order to deploy solutions and software necessary to reform the organization's issues.
- Brought both State Assembly Attendance and bill submissions to the highest point in the 30 year history of JSA.

Atyeti, Inc.

New Jersey, USA

SOFTWARE DEVELOPMENT INTERN

Jul. 2020 - Oct. 2020

- Built a platform for Atyeti HR that centralized all candidate data and candidate tracking in one location, moving them away from using spreadsheets as a form of candidate tracking. Created the application using GraphQL along-side React.js, Node.js, and Apollo.
- Learned the fundamentals of modern GraphQL API development, using Docker Containers, Kubernetes, the concept of Micro-services, and Azure Cloud to test and deploy the application in real-time.
- Worked closely with the company's Cloud Solutions Architect and CTO in order to incorporate all of Atyeti's needs into the platform, and to deploy the platform on Azure Cloud.

Plainsboro Public Library Foundation

New Jersey, USA

WEB DEVELOPMENT INTERN

Jul. 2019 - Sep. 2019

- Oversaw the creation of a web platform that the foundation could use in order to create and host all future fundraising events. The platform simplified the presentation of information, fundraising, and registration for the event.
- Built the website and web app single-handedly, utilizing HTML5, CSS, JS, and PHP(full stack development). Served as site administrator and troubleshooted issues with cloud deployment, data collection, etc.
- Platform served over 23,000 township residents during the duration of my internship alone, and the source code was acquired by the foundation to re-use for future events.

Projects

NewsFlash: Unbiased News

USA

HTTP://NEWS-FLASH-PROJ.HEROKUAPP.COM

Aug. 2021 - PRESENT

- Designed mobile and web app with the intention of creating a tool to help identify and combat news bias.
- Utilized Flask and Heroku to create and host central API queries by both mobile and web clients.
- Trained and implemented several machine learning models in TensorFlow and NLTK in backend API to analyze sentiment, generate news summaries, identify political bias, etc.
- Used React Native to create front-end for both iOS and Android clients, and later deployed app on iOS and Google Play Stores.

PriceMerge

USA

HTTP://PRICEMERGE.COM

Aug. 2020 - PRESENT

- Designed webapp focused around combating price gouging by enabling users to compare product prices across thousands of retailers, track product prices, and receive notifications when product prices drop.
- Utilized HTML, CSS, JavaScript, and Bootstrap to create the front-end, and PHP along-side MySQL on the backend.
- Garnered over 25,000 users, gained local and national media attention(ABC news, NJ News Network, etc.)

State Assembly Site

USA

CREATOR & ADMINISTRATOR

Apr. 2020 - Apr. 2021

- Created site while serving as JSA Elected Official, designed to help students meet others online and prepare better for the competitions.
- Had several tools to enable more efficient preparation, such as automatic bill creation tool(created using the PHPRTfLite Library), partner finding tool, guides, etc.
- Singlehandedly built the entire site using HTML, CSS, JS, and Bootstrap for the front-end, and PHP alongside MySQL for the backend.
- Learned how to deal with user authentication, how to create secure sessions, how to manage and store user data, etc.
- Garnered 1500+ users

Artificial Intelligence Simulations

USA

PROGRAMMER

Jan 2021-PRESENT

- Implemented several different machine learning modules(SKLearn, PyNEAT, etc.) to create Artificial Intelligence simulations with autonomous players learnig to play a given game(Flappy Bird, Pong, etc.)
- Learned how to handle large amounts of data, deal with several neural networks at once, configure neural network output, etc.
- Understood the underlying mathematics and concepts behind several different machine learning models.

PrivChat: Private Chatting

USA

CREATOR

Jun. 2017 - Jul. 2017

- Utilized Java to create a complete desktop chatting application(Front-end and back-end) designed to be disposable and secure.
- Implemented and learned how to use Java Swing, Sockets & Threads(to create the server), I/O Streams, several data structures, etc.

Honors & Awards

PROGRAMMING

2020	USA Computing Olympiad Gold Divisionist , Selected as 1 out of only 600 highschoolers nationwide as a gold divisionist based upon my algorithmic programming abilities	USA
2020	2nd Best Overall Hack , GeomHacks Hackathon	USA
2019	Best Overall Hack , March of Dimes #STEMTogether Hackathon	USA
2021	Mentorship Recipient , Yale CBIT Hackathon	USA
2019	5th place overall team , PeaCTF cybersecurity competition	USA
2021	8th place highschool team , AngstromCTF Cybersecurity Competition	USA

OTHER

2020	2nd place & International Qualifier , National Community Problem Solving Competition	NJ
2021	National Merit Finalist , National Merit Scholarship Foundation	USA
2020	National AP Scholar , Collegeboard	USA
2019	1st place , Hindi-USA National Jeopardy Competition	USA
2021	Silver Medalist , Le Grand Concours National French Competition	USA