

# Zeshan Ahmad

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## Education

**Temple University** College of Science & Technology, Philadelphia, PA January 2022 - December 2023  
Computer & Information Science, B.S.  
**Community College of Philadelphia**, PA September 2019 - December 2021  
Computer Science, A.S.

## Technical Skills

**Languages:** Javascript, Python, Java, Typescript, HTML, CSS, C, MySQL, GraphQL  
**Frameworks/Services:** AWS, React.js, Next.js, Node.js, Express.js, TailwindCSS, Firebase, Springboot, GPTScript, Tensorflow, RESTful APIs  
**Development Tools:** Agile/Jira, Simulation Models, Git, Github, Unix/Linux, NPM, Docker  
**Network & Infrastructure:** DNCP, DNS, Network Architecture, Server Management, User Account Automation  
**Testing:** Mockito, Jest, Selenium, Postman

## Experience

**Software Engineer:** Freelance, Philadelphia, PA February 2024 - Present

- Created websites for 2 local barbershops and hair salons using React and Typescript and built a structure database system using MySQL for online sales to diversify and increase sales of hair products by 40%.
- Implemented an SMS-based waitlist API with Twilio and WebSockets to handle appointments and allow barbers to set their availability.
- Completed Search Engine Optimization(SEO) on each client's website to improve their website's standing on search engines; increasing online appointment bookings by 34%.
- Created turnover documentation and custom video training videos unique to each client to aid in the maintenance of their website.

**Shift Lead:** Walgreens, Philadelphia, PA August 2022 - Present

- Maintaining inventory and theft prevention to boost the sales of the number one store in Philadelphia.
- Leading a team of employees to maintain daily store upkeep, and improved customer service.

## Technical Projects

**SmartSpeech:** AWS, Typescript, React, Python, Docker December 2023

- Led a team of 6 developing a drawing-to-speech app for non-verbal autistic children to aid them in expressing themselves.
- Utilized the AWS Public Cloud to ensure the application's backend is resilient to service failures and employed networking security best practices by employing private connectivity whenever possible.
- Reduced infrastructure costs by shifting to a serverless container architecture from VMs.

**AI Video Summerizer:** React.js, Express.js, Node.js, TailwindCSS, GPTScript October 2024

- Created an app to take URLs of articles and create AI-summarized text-to-speech videos of the articles.
- Reduced time to absorb information on websites by creating AI-generated images and video summaries to give a unified learning experience.

**Virtual Network Active Directory:** Oracle, Bash, Linux, Shell Script September 2024

- Built a home lab environment to simulate a real-world enterprise network setup. Configured an Active Directory on a Ubuntu virtual machine, managing network services like DNS and DHCP.
- Used bash scripts to automate 1000 user account creations, group policies, configure user roles, and permissions management within the Active Directory environment.