Shubh Patel

Waterloo, Ontario

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Education

Conestoga College   **Sep 21 – Dec 22**
- Mobile Solution Development (GPA - 3.87/4)

Gujarat Technological University   **Aug 16 – May 20**
- Bachelor of Engineering in Computer Engineering (CGPA – 8.52/10)

Work Experience

Conestoga Research, Innovation & Entrepreneurship | Research Analyst   **May 22 - Dec 22**
Cambridge, ON | *Nodejs, Angular, DynamoDB, Socket.IO, WebRTC, AWS EC2, Click Up, Peerjs*
- Researched relevant technologies and tools based on client's requirements with a team of 5, and efficiently implemented production ready video e-signing solution for a startup called Inheritchain.
- Designed and implemented scalable APIs using **Nodejs, AWS Lambda Function, AWS S3** and **Dynamo DB,** and automated the deployment of application in **AWS EC2** using **Jenkins**.
- Continuous Integration/Deployment Pipeline Integration, code reviews, unit/integration testing

Tata Consultancy Services | System Engineer   **Jul 20 – Sep 21**

Gandhinagar, India | *Spring Boot, Angular, PostgreSQL, MySQL*
- Involved in developing core enterprise level framework called **DigiGOV** for providing solutions for common problems using **Java (Spring boot)**, **AngularJS**, and **Azure.**
- Developed scalable APIs and Improved response time of APIs by optimizing SQL queries by 70%.
- Guided and helped other developers by preparing detailed documentation and collaborating with them for implementation of core functionality in different projects for rapid project development.

Projects

Document Parser (Capstone)| *React, MongoDB, Python, HuggingFace.co, Nodejs, AWS Lambda, AWS S3*
- An AI based web application for collecting key information from different types of PDF documents.
- Utilized AWS S3 for storing pdf documents and fine-tuned the **LayoutLMv2** model and developed web application using **React** and **Nodejs** for user interaction. (IP held by **Derivative Path**)

Tasker | *Nodejs, MongoDB, Express, React*
- A web application for assigning tasks to people in the group, monitoring the status and commenting.
- This project is developed using **Nodejs**, **react** and **MongoDB** for storing data.

Group Video Call Application | *Nodejs, Express, React, WebRTC, Socket.IO*
- A web-application for group video chat where user can create a public room with secret and other intended users can join the call.
- This project uses **Nodejs**, **React, Socket.IO** and **WebRTC framework** for low latency P2P connection.

Skills

- **Languages, Frameworks & Databases:** C, C++, Java, JavaScript, Python, Angular, React, Spring Boot, Nodejs, Spring MVC, MySQL, PostgreSQL (Relational DB), MongoDB (NoSQL)
- **Cloud & Tools:** AWS, Azure, Jenkins, Git, GitHub, Docker, Terraform, Jira, Clickup
- **Other:** Data Structure and Algorithms, Design Patterns, CI/CD, Agile methodology

Achievements

- Microsoft Certified: **Azure Developer Associate (AZ-204) –verification link**