

HET PATEL

patel.hetas@northeastern.edu | 857-544-9003 | [linkedin/het1074](https://www.linkedin.com/in/het1074) | [github/patelhet04](https://github.com/patelhet04) | hetpatel.dev

EDUCATION

Northeastern University - College of Engineering

Master of Science in Information Systems, GPA - 3.608

Boston, MA

Expected May 2025

Gujarat Technological University

Bachelor of Engineering in Computer Engineering, GPA - 3.76

Gujarat, India

Aug 2016 – Jun 2020

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, HTML, CSS, Java, SQL, Go/Golang
Web Frameworks: React, Node.js, Express.js, Jest, Material UI, TailwindCSS, REST APIs
Databases and ORM: MySQL, PostgreSQL, MongoDB, Redis, Prisma
Developer Tools: Git, GitHub Actions, Docker, AWS S3, AWS Lambda, Postman, Swagger

EXPERIENCE

Software Engineer

Silver Webbuzz Private Limited

Sept 2021 – May 2023

Gujarat, India

- Integrated the Postgres JSONB data type in a Node.js application, optimizing storage for complex structures and achieving a 65% improvement in query speed with GIN indexing
- Streamlined Docker-based workflow with Jenkins CI/CD, reducing full-stack application deployment time by 80%
- Engineered adaptive routing in a Next.js SSR application, reducing manual page creation efforts by 35%
- Refined MongoDB query performance for over 100k records through indexing and aggregation pipelines
- Automated PDF patient data extraction using Python and OpenAI API, reducing manual data entry by 65%

Software Development Intern

ShineStar Web Solutions

Dec 2019 – Apr 2020

Gujarat, India

- Constructed a real-time chat application using Node.js and Socket.io, supporting over 1,000 concurrent users
- Enhanced end-to-end testing of a React and Node.js application using Jest, which increased code coverage by 75%
- Standardized a scalable and modular design system for a React app using SCSS, minimizing CSS duplication by 40%

PROJECTS

Climate Care | React, Typescript, Node.js, MongoDB, Redux Toolkit, Material UI

Mar 2024 – Apr 2024

- Built a full-stack web application to promote climate awareness, enhancing security by integrating JWT authentication
- Designed a custom carbon emission calculator, assisting users reduce their footprints by 60% with tailored suggestions

Airline Management System | Java Swing, Maven, MongoDB, Git

Oct 2023 – Dec 2023

- Led the development of enterprise-grade system using Swing UI, ensuring seamless integration of 10+ core modules
- Executed CRUD functionalities across modules, enhancing data management for fleet and employee administrators

Serverless Media Organizer | Node.js, S3, Lambda, Serverless, AWS SDK

Jan 2022 – Feb 2022

- Devised a Media Organizer utilizing Node.js and AWS Lambda to automate file management for a blogging platform
- Supervised CloudWatch for real-time monitoring, achieving 90% uptime across diverse workloads
- Deployed S3 with presigned URLs, enhancing security measures and amplifying media storage efficiency by 60%

ACHIEVEMENTS

International Student Exchange Program

Jun 2019 – Aug 2019

- Selected for a 50-day apprenticeship at **Laurentian University** in **Canada** as part of international exchange program
- Collaborated with fellow international participants on various projects and activities, yielding innovative solutions

University Event Technical Head

Feb 2019 – Apr 2019

- Orchestrated technical aspects as Technical Head for a national-level university event, ensuring flawless execution

'Tic-Tech-Toe' Hackathon

Aug 2018 - Aug 2018

- Guided a team through a 48-hour hackathon, achieving a top-three finish among fifty participating groups