

# BHARGAV PATEL

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## EDUCATION

**Binghamton University, State University of New York, Thomas J. Watson College of Engineering and Applied Science**

*Master of Science in Computer Science | Cumulative GPA: 3.71/4.00*

*August 2022 - May 2024*

**Sardar Vallabhbhai Patel Institute of Technology, Gujarat Technological University, India**

*Bachelor of Engineering in Information Technology | Cumulative GPA: 3.70/4.00*

*August 2016 - September 2020*

## TECHNICAL SKILLS

<b>Languages:</b>	Java 8+, JavaScript, Python, .NET, Prolog, C, C++
<b>Frameworks &amp; Lib.:</b>	ReactJS, Spring Boot, Hibernate, Angular, NodeJS
<b>Server and Cloud:</b>	Amazon Web Services (AWS), Google Cloud Platform (GCP), Microservices, REST, JPA, J2EE, Docker, WebSocket
<b>Databases:</b>	PostgreSQL, MongoDB, RDBMS, OracleDB, MS SQL
<b>Software &amp; Tools:</b>	Visual Studio, IntelliJ, Eclipse, GitHub, Jira, SOAP, PostMan, JMeter
<b>Methodologies:</b>	Agile & Scrum Project Management, Software Development Lifecycle (SDLC)

## PROFESSIONAL EXPERIENCE

**Uplers Solution Private Limited | Full-Stack Developer**

*February 2021 - June 2022*

- Engineered and coded consumer-focused email interfaces with **HTML5**, **CSS3**, **JavaScript**, and **ReactJS**, amplifying user engagement metrics by 65-70% and delivering a notable escalation in click-through rates and conversions
- Managed thorough email testing and quality assurance procedures leveraging **Email-on-Acid** and **Litmus**; drove a notable 15% uptick in campaign efficiency, resulting in enhanced customer response rates and overall engagement levels
- Led the deployment and oversight of robust email campaign interfaces on diverse platforms (**Mailchimp**, **HubSpot**, **Marketo**, **Pardot**, **Iterable**), leading to a remarkable 20-30% improvement in campaign deliverability rates

## ACADEMIC EXPERIENCE

**Binghamton University (SUNY) | Graduate Teaching Assistant, Design Patterns**

*January 2024 - Present*

- Innovated the course development process by collaborating closely with the professor to structure assignments, exams, and projects for the Design Patterns curriculum; this resulted in a 30% improvement in student performance
- Coordinated weekly academic review sessions for 125+ students, implementing customized study strategies that led to a notable 25% increase in average test scores

**Binghamton University (SUNY) | Graduate Grader, Design Patterns**

*August 2023 - December 2023*

- Catalogued over 110 assignments and exams for a graduate-level course on Design Patterns

## PROJECT EXPERIENCE

**AWS Video Streaming Platform ([Project Link](#)) | Cloud Developer**

*January 2023 - May 2023*

- Spearheaded the creation of a scalable video streaming platform using AWS tools like **Amazon S3** and **CloudFront**, which boosted platform availability by 40% and reduced video delivery latency, enhancing user experience
- Architected AWS serverless solutions for video processing, leveraging Amazon DynamoDB in conjunction with ReactJS to enhance efficiency by 45%, enable seamless scaling, and consequently improve quality and user experience

**Stock Market Sentimental Analysis ([Project Link](#)) | Data Analyst**

*February 2021 - May 2021*

- Orchestrated integration of real-time data visualization in **Flask** web platform, leveraging **Python libraries** like Matplotlib, inducing in a 30% enhancement in stock market sentiment analysis and insights extraction from Reddit and Yahoo discussions
- Directed the integration of a **PostgreSQL** database system to drive data-driven decision-making, enabling the creation of customized dashboards and reports that led to a 15% increase in user engagement and revenue growth

**ExpenseEase ([Project Link](#)) | Full-Stack Engineer**

*September 2020 - January 2021*

- Initiated the development of a web application integrating OCR technology and AI/ML analytics to optimize financial tracking, yielding a 20% improvement in expense processing accuracy
- Pioneered MVP execution via Node.js and MongoDB, achieving a 25% improvement in data extraction and storage, while strategizing AWS integration for enhanced analytics and user-centered dashboards

**PharmaCrypt ([Project Link](#)) | Blockchain Developer (Research)**

*January 2020 - August 2020*

- Implemented **Blockchain**, **IOT** and **ReactJS** to achieve 40% transparency enhancement transparency in the pharmaceutical supply chain
- Developed a web app enabling consumers to verify product authenticity via QR codes, aiding in a 35% increase in consumer trust

## PUBLICATIONS

- Pharmaceutical supply chain management system using Blockchain and IoT technology By Gargi Chauhan, **Bhargav Patel**, Nikunj Prajapati, Shailendra Raj, Shlok Gadre, Saurabh Patel ([Publication Link](#))

*January 2023 - May 2023*