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: 3.77/4.00*   *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

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

PROFESSIONAL EXPERIENCE

Uplers | *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*) | *Software Engineer*   *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*