

JAY PATEL

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EDUCATIONS

North Carolina State University, Raleigh, NC

Anticipated May 2025

Master of Computer Science

GPA: 4/4

Courses: Software Engineering, Design and Analysis of Algorithms, Computer Networks and Security

Pandit Deendayal Energy University, Gujarat, India

May 2023

Bachelor of Technology in Information and Communication Technology

GPA: 9.84/10 (2nd Rank)

Courses: Data Structures and Algorithms, Database Management, Object Oriented Programming, Cloud Computing

SKILLS

Programming: JavaScript, Node.js, PHP, Python, JAVA, HTML, CSS, SQL, React.js, Express.js, Next.js, jQuery

Databases: MongoDB, MYSQL, PostgreSQL

Tools & Platforms: Git, Docker, AWS, GCP, Microsoft Azure, Figma, Canva, VS Code, Linux, Windows

EXPERIENCE

Software Developer, NCSU, NC, USA

Aug 2023 – Present

- Migrated the NCSU CSC Website from PHP 6 to PHP 8, enhancing performance, security, and overall user experience.
- Integrated touchless and swipe card reader technology, utilizing RFID, NFC, and JavaScript, reducing the time for attendance tracking by 40%.
- Automated Google group member removal process using Python Cron job and Google Cloud API, resulting in a 30% reduction in manual workload.

Full Stack Developer, ClosestCloset, Illinois, USA

April 2022 – Jun 2023

- Engineered a visually appealing, responsive E-commerce website using MERN stack technologies, resulting in a substantial 30% increase in online revenue.
- Propelled 50% user growth by implementing a custom recommendation system, WebSocket messaging, and enhanced product discovery and filtering via query optimization and database indexing.
- Streamlined deployment, slashing speed by 20% via CI/CD pipeline integration leveraging GitHub Action and Azure.

Research Intern, University of Guelph, Ontario, Canada

Jun 2022 – Aug 2022

- Constructed Squirrel Life application and website, leveraging a RESTful API architecture, empowering 500+ students to increase nature and human interaction.
- Resolved over 50 bugs in the Squirrel Life application, achieving an 80% reduction in user complaints on the App and Play Store through agile development methodologies using Java (Spring Boot) and React Native.

PROJECTS

Tech-Driven Web Quiz Portal

[GitHub Link](#)

- Launched the highly functional and secured quiz portal, Logic Hunt, powered by PHP and MySQL for the Computer Science Club's event with over 100 participants interacting with the platform.
- Minimized dishonest practices by 80% through the live question reshuffling, time penalty system, real-time long polling-based leaderboard, and hint system, resulting in an enhanced user experience.

GitHub Language Stats

[Live Preview](#)

- Developed a React website using GitHub API to display programming language usage statistics on GitHub with project metrics through JavaScript and Bootstrap for an engaging design.

Leadership & Activities

- **Microsoft Learn Student Ambassador:** Delivered 5+ impactful workshops and webinars focused on cutting-edge technologies, open-source contributions, and fostering a culture of continuous learning within our local community.
- **Web Development Head, Encode:** Piloted a team of 5 developers in the creation of 5+ websites using the MERN and LAMP stacks for diverse campus clubs, resulting in a substantial improvement in their online visibility.
- **HPAIR 2022:** Selected among 300 Students around India as a delegate at the Harvard Asia Conference 2022
- **Harvard Business Publishing:** Featured in one of the articles by Harvard Business Publishing.