Hetshree Patel

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EDUCATION

Indiana University   **Bloomington, IN**
Master of Science (MS) in Computer Science (GPA: 3.84/4.0)   *Aug 2023 – May 2025*

Ganpat University   **Gujarat, India**
Bachelor of Technology (B. Tech) in Computer Engineering (GPA: 9.09/10)   *Jul 2018 – May 2022*

TECHNICAL SKILLS

Languages: Java, Python, SQL, C#, HTML5, CSS, JavaScript, TypeScript, Kotlin, C, C++
Frameworks: Angular.js, Django, .NET, Flask, React.js, Node.js, Express.js, Tailwind CSS, Bootstrap, FastAPI, Spring Boot, JUnit, Mockito
Databases: MySQL, PostgreSQL, MongoDB, SQLite, Oracle, MS SQL Server, Redshift, DynamoDB
Tools: AWS, Azure, Nginx, IntelliJ IDEA, PyCharm, NetBeans, Kubernetes, Docker, Postman, Android Studio
Version Control & CI/CD: Bitbucket, Git, Gitlab, GitHub, Jenkins
Collaboration & Methodologies: Agile (Scrum, Kanban), JIRA, Azure DevOps, Confluence

WORK EXPERIENCE

Jeet Info   **Gujarat, India**
Assistant Web Developer   *Oct 2022 – Jul 2023*
- Designed **3+** interactive web apps in collaboration with backend engineers using **React.js**, **Django**, and **MS SQL Server**, reducing development time by **25%** through streamlined workflows.
- Engineered **20+ REST APIs** using **Django**, **AWS Lambda**, and **API Gateway**, ensuring **99.9%** uptime and supporting over **100,000** monthly transactions through scalable backend architecture.
- Optimized **SQL** queries, reducing execution time by **30%** and boosting page speed by **40%**, which increased user engagement by **20%**.
- Built backend utilities and microservices with **FastAPI**, boosting data processing by **20%** and cutting API latency with optimized routing.
- Reduced deployment time by **60%** with zero downtime by automating releases with **CI/CD pipelines** via **GitHub Actions** and **Jenkins**.
- Boosted mobile traffic by **35%** and cut bounce rates by **25%** by initiating a mobile-first redesign using **Tailwind CSS** and **Bootstrap**.
- Drove a **10%** increase in feature delivery by partnering with **cross-functional teams** to align sprint goals and delivery timelines.

SoverynSoft LLC   **Norman, OK**
Software Engineer - Intern   *Jan 2022 – May 2022*
- Deployed and actively monitored applications on **AWS (EC2, S3, RDS)**, ensuring high system reliability and optimizing performance.
- Diagnosed **10+** critical issues by collaborating with senior developers, improving system stability and overall performance.
- Programmed **10+ RESTful APIs** using **Spring Boot (Java)**, enabling seamless data exchange and improving system integration.
- Managed **Git** workflows to enable seamless team collaboration and reduce code conflicts across development cycles.

JK Agricultural Cold Storage   **Gujarat, India**
Software Engineer (Volunteer)   *Jun 2021 – Oct 2022*
- Architected a cloud-hosted inventory management system with **Java, C# .NET**, and **SQL Server**, improving stock tracking accuracy by **40%** and reducing inventory discrepancies.
- Integrated barcode scanning, boosting product check-in/check-out speed by **50%** and trimming manual data entry errors.
- Sculpted high-performance **RESTful APIs**, enabling seamless warehouse integration and reducing data retrieval time by **35%**.
- Created a user-friendly dashboard, streamlining daily operations for warehouse staff and increasing workflow efficiency by **30%**.
- Hosted the system on AWS, ensuring **99.9%** uptime and enabling remote access for warehouse staff.
- Conducted rigorous testing and debugging, ensuring seamless performance under heavy loads and securing **99.9%** system uptime.

PROJECTS

Secure Banking System: Python, Django, React.js, MySQL, Nginx   *Jan 2024 – May 2024*
- Pioneered a secure banking platform to facilitate **real-time funds transfer**, **transaction authorization**, and **account management**.
- Engineered **PKI** and **OTP authentication**, strengthening system security and ensuring compliance with **industry standards**.
- Leveraged advanced **user role management** to ensure robust, secure operations capable of withstanding rigorous external audits.

FastFlex Delivery Management System: HTML, CSS, JavaScript, React.js, Node.js, MongoDB, Express.js   *Aug 2023 – Dec 2023*
- Designed a **MERN** based delivery platform offering **real-time tracking**, **smart service recommendations**, and **secure payment** options.
- Implemented role specific dashboards with **OTP** based **MFA**, and **real-time messaging**, improving experience and access security**.**
- Enhanced delivery visibility and coordination by adding **GPS tracking** and **interactive maps** for customers, drivers and managers

EasyX Management System: C#, .NET, SQL Database   *Jan 2022 – Apr 2022*
- Led the development of a digital platform for academic print materials, increasing student engagement by **30%**.
- Streamlined order processing, leading to a **25%** boost in downloads and transactions compared to in-person requests.
- Facilitated faculty-student collaboration, with **40%** of faculty members uploading lecture notes, benefiting **80% students**.