SMIT PATEL

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Education

Northeastern University   Expected May 2025
Master of Science in Software Engineering   *Boston, MA*

Gujarat Technological University   June 2023
Bachelor of Science in Information and Communication Technology   *Ahmedabad, India*

Technical Skills

Programming Languages: JavaScript, TypeScript, Python, Java, C++, C, C#
Web Technologies & Frameworks: HTML5, CSS, Sass, jQuery, React, Next.js, Spring Boot, Ruby, Rails, Node.js
Database: MongoDB, Firebase, SQL, PostgreSQL, DynamoDB
DevOps: Docker, Amazon Web Services (AWS), Git, GitHub, CI/CD, Jest Testing
Relevant Coursework: Data Structures and Algorithms, Object-Oriented Design, Web Design, Cloud Computing

Experience

Open-Source Developer   Jan 2023 – Apr 2023
Cal.com   *San Francisco, California*
- Contributed to community-driven projects by implementing data-driven solutions using **Python** and **SQL**, resulting in a 25% improvement in data retrieval speeds across open-source platforms.
- Designed and developed a scalable data storage architecture utilizing **AWS S3** for secure storage and Lambda for automated processing, enhancing the accessibility of shared datasets for the open-source community.
- Collaborated with developers and data enthusiasts globally to create interactive **Tableau** dashboards, providing impactful data visualizations to improve decision-making within the community.

Data Engineering Intern   May 2022 – Aug 2022
Grownited Private Limited   *Ahmedabad, India*
- Developed **ETL** pipelines using **Python** and **SQL** to extract, transform, and load large datasets into a cloud platform.
- Collaborated with the data science team to integrate **Power BI** dashboards, providing real-time analytics and insights.
- Deployed machine learning models on **AWS**, automating data workflows and reducing processing time by 30%.

Web Developer Intern   Oct 2021 – Mar 2022
Provitious Technologies   *Ahmedabad, India*
- Deployed Task Management App using **MongoDB**, **React** and **Node.js**, with dynamic user/admin interfaces
- Integrated age and identity verification with **React Native** and **JavaScript** reducing the average registration by 50%
- Optimized story highlights feature using **JavaScript** increasing user impressions of product instructions by 12%
- Automated deployment using **Jenkins** and **Docker**, reducing deployment time by 30% and enhancing **CI/CD** practices

Projects

Data Analytics Dashboard with Cloud Integration   Mar 2024 – June 2024
- Designed a data analytics dashboard using **Python** and **SQL** to process and analyze large datasets using **Power BI**
- Deployed the dashboard on **AWS**, using **EC2** for server hosting and **S3** for data storage, ensuring security.
- Automated data pipelines using Python scripts and cloud services to improve operational efficiency by 40%.

AI-Based Image Classification System   Jan 2024 – Mar 2024
- Developed an image classification system using Python, TensorFlow, and Keras, achieving an accuracy improvement
- Implemented a custom convolutional neural network (CNN) architecture, reducing training time by 15%
- Presented the project to stakeholders, demonstrating the feasibility of AI-driven solutions for automating image tasks

Modern Library Management Application   Oct 2023 – Dec 2023
- Developed a Library Management Application with a **React** frontend and used JWT Authentication for security
- Powered by Spring Boot with **MySQL**, utilizing RESTful APIs and advanced data structures for sorting books.
- Applied object-oriented principles in **Java** for a modular, maintainable, and scalable backend codebase

Query Hub   July 2023 – Oct 2023
- Built an **ASP.NET** MVC application with **C#**, achieving 95% secure user authentication and community interaction
- Implemented **SQL** Server for search, voting, and view tracking, increasing content discoverability by 30%.
- Designed a responsive interface using Bootstrap, enhancing user experience and platform accessibility by 25%.

Healthcare Data Management   Jan 2023 – Apr 2023
- Led development of a healthcare data system, increasing scalability by 35% through **ETL** integration and **Power BI**.
- Implemented **SQL** triggers, optimizing views to enhance data analysis efficiency by 20%.