Manan Shah

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Summary

Passionate about building impactful tools and crafting efficient software solutions. With **2 years of hands-on experience** as a Software Engineer, I specialize in designing and developing scalable applications using **Java, Python, and ASP.NET**. I thrive in dynamic environments, blending my problem-solving skills with a fresh, **new-grad mindset**—always eager to learn, adapt, and push boundaries. From interactive databases to cloud-based systems, I enjoy transforming ideas into reality through code. Excited to contribute my technical expertise and creativity to innovative projects!

Education

Illinois Institute of Technology — Aug 2023 – May 2025
Master's of Science in Computer Science | GPA: 3.5/4.0 — *Chicago, IL*
Relevant Coursework: Design Analysis Algorithm, Advance Database Organization

KJ Somaiya Institute of Management — May 2020 – Jul 2022
Masters in Computer Applications | GPA: 3.5/4 — *Mumbai, India*
Coursework: Cloud Computing, Machine Learning, Database Management

KJ Somaiya College of Science and Commerce — Jun 2017 – May 2020
Bachelor of Science in Information Technology | GPA: 3.7/4 — *Mumbai, India*

Technical Skills

Programming Languages: Python, Java, ExpressJs, React, NodeJS, SQL, Pandas, NumPy, JavaScript, Spring Boot
Databases & Big Data: MySQL, MongoDB, MariaDB, Oracle Database, Spark, Kafka, Hadoop, Hive
Cloud Platforms & Tools: Appian, Amazon Web Service(AWS), Microsoft Azure, Jenkins, Tableau, PowerBI, GitHub
Data Analysis & ML: PySpark, Pandas, NumPy, TensorFlow, Seaborn, Matplotlib

Experience

Frontend Web Development Intern — Jun 2024 – Oct 2024
Horizon World Salon — *New York*
- Integrated five external APIs into the World Salon platform, resulting in a 30% reduction in user interface latency and enhancing the responsiveness of key application components.
- Implemented responsive design and optimized application performance for speed and scalability, adhering to clean coding practices and participating in code reviews within an agile development environment.

Associate Software Engineer — Aug 2022 – Aug 2023
Duck Creek Technologies — *Mumbai, India*
- Researching, diagnosing, troubleshooting, and identifying potential solutions for how to resolve an issue
- Resolved 50+ critical bugs through root cause analysis, reducing support tickets by 25% and increasing customer satisfaction by 15%.
- Led ASE to AKS migration, designing baseline architecture for all platforms, boosting stability, and cutting operational costs by 25%.

Software Engineering Intern — Jan 2022 – Jul 2022
Duck Creek Technologies — *Mumbai, India*
- Developed a multi-tier utility application utilizing ASP.NET and SQL, enhancing the Claim product configuration process by 60% resulting in faster response times to client onboarding and improved efficiency
- Built the tool logic and algorithm using ASP.NET and the product database
- Designed the User Interface of the multi-level utility tool using Figma

Projects

AI-Powered Resume Analyzer | *Python, OpenAI API, PostgreSQL, Docker*
- Developed a **web-based resume analysis tool** that evaluates job-fit scores based on job descriptions.
- Integrated OpenAI API and NLP techniques to extract and analyze keywords for ATS optimization.
- Implemented role-based authentication and secure file handling using Flask/Django security best practices.
- Improved resume keyword matching accuracy by **30%**, enhancing job-seeking efficiency.

Smart Shopping List with Price Comparison | *React Native, Firebase, Web Scraping (BeautifulSoup/Scrapy)*
- Developed a **React Native app** that allows users to create shopping lists and compare product prices across multiple online stores.
- Implemented **web scraping and third-party APIs** to fetch real-time pricing and suggest the best deals.
- Integrated **Firebase Firestore and Authentication** for real-time data storage, user management, and push notification alerts.

Smart Expense Tracker with Budget Forecasting | *React Native, Firebase, Python, ML*
- Developed a React Native app to track daily expenses and provide AI-driven spending forecasts using Scikit-Learn..
- Integrated **OCR (Tesseract) technology** for automatic receipt scanning and expense categorization.
- Designed a **budget recommendation system** based on historical spending patterns and user financial goals.