Meet Deepak Shah

Full Stack Developer | Software Engineer | AI & Cloud Enthusiast

E-mail | LinkedIn | Portfolio | GitHub | Twitter

Seattle, Washington

Education

Master of Science in Computer Science, Seattle University, Washington	Sep 2024 – Present
Bachelor of Technology in Computer Engineering, Gujarat Technological University	Jun 2019 – Mar 2023

Experience

Software Engineer, i3 Verticals — July 2023 - August 2024

ASP.NET MVC, C#, ReactJS, Azure SQL, Jenkins, PowerShell, Oracle SQL

- Built a modular bulk amendment system for Ontario's DMV using ASP.NET MVC and Azure SQL, reducing vehicle permit processing time by 90% (10 mins → <1 min) and serving 500K+ users.
- Collaborated cross-functionally with QA engineers and product managers to define requirements, manage test coverage, and ensure on-time, regression-free delivery.
- Automated CI/CD pipelines with Jenkins and PowerShell, reducing manual testing effort by 70% and increasing deployment frequency by 50%, accelerating time to market.
- Resolved 50+ production bugs with zero rollback incidents, stabilizing DMV services across three states.
- Reduced support inquiries by 25% via a dynamic, image-rich Help Documentation Enhancer (C#, ASP.NET Core, ReactJS, Oracle SQL), deployed to 200K+ users across 3 U.S. states.

Software Engineer Intern, Linde Engineering — April 2023 - July 2023

Django, JavaScript, Bootstrap, HTML/CSS, SQLite

- Developed an internal feedback portal for 1,200+ employees using Django and Bootstrap, allowing anonymous feedback and streamlining HR workflows.
- Processed 35+ monthly submissions, driving insights that improved morale and operations across teams.
- Delivered the product using Agile sprints and Kanban, meeting deadlines and working with PMs and HR leads
- Presented the final system to the product manager; received strong feedback and ongoing company-wide adoption.

Projects

CineAI - AI Powered Recommendation System Link

React.js, Node.js, Express, MongoDB, Scikit-learn, TensorFlow, AWS, Docker

- Built an intelligent media discovery platform using the TMDB API to serve 900K+ titles, with secure JWT authentication and a responsive and scalable front-end.
- Designed a recommendation engine using collaborative filtering and TensorFlow, analyzing user preferences to enhance the accuracy of personalized recommendations.
- Deployed the platform with Docker containers on AWS, leveraging EC2 Load Balancer and auto-scaling groups to support 100+ users with zero downtime across testing, deployment, and scaling phases.

Recommendo - GPT-Powered Music Playlist Generator Link

Python, LlamaIndex, LangChain, OpenAI API

- Built a conversational playlist generator using LangChain agents and GPT-3.5, interpreting natural language prompts to recommend music based on mood, genre, and decade.
- Structured music data from CSVs indexed using LlamaIndex, enabling semantic search over 10K+ songs.
- Designed a custom prompt-response pipeline for query parsing, content generation, and GPT-agent chaining, delivering accurate and context-aware playlists.

Project Hub - Collaborative Project Discovery Platform Link

Java, AngularJS, MongoDB, GitHub

- Built a full-stack web app to help 20+ student teams discover and showcase projects, integrating GitHub for real-time syncing and project updates.
- Implemented filters, and categorized dashboards, improving project visibility by 40% and engagement across teams.
- Led Agile development with Scrum and Kanban, boosting delivery speed and team efficiency by improving task completion rates by 35% and reducing sprint cycle time by 20%.

Technical Skills

- **Languages:** C#, C++, Java, Python, JavaScript, TypeScript, SQL, HTML, CSS.
- **Frameworks:** React.js, Node.js, ASP.NET Core, Django, Flask, Spring Boot, Vue.js, Angular.
- **AI/ML & LLMs:** TensorFlow, Scikit-learn, OpenAI API, LangChain, LlamaIndex
- **Databases:** PostgreSQL, MongoDB, Redis, MySQL, Cassandra.
- **Cloud & DevOps:** AWS, Azure, GCP, Docker, Kubernetes, Jenkins, CI/CD, Serverless, Azure DevOps.
- **Tools:** Git, GitHub, Firebase, Postman, Matplotlib, Pandas, Visual Studio, VS Code, Jira.
- **Security & Methodologies:** JWT, OAuth 2.0, Penetration Testing Basics, Agile, Scrum, Scumban.
- **Microsoft Tools:** Excel, Word, PowerPoint, Outlook, OneDrive, SharePoint, Microsoft Teams.

Honors & Awards

- **Top 3 Non-Funded Startup in India** – **Founder** of MyEmployee, selected by IIM Ahmedabad.