**VIVEK MALIPATEL**

**SUMMARY**

**EDUCATION**

* *Master of Science in Computer Science from Illinois Institute of Technology.*
* *Bachelor of Technology in Information Technology from TKR College of Engineering & Technology.*

**ACADAMIC STRENGTHS**

*Machine Learning, Artificial Intelligence, Natural Language Processing, Data Structures and Algorithms, Software Engineering, Computer Networks, Object Oriented Programming, Operating systems, Advanced Database Organization, Distributed Databases, Database Management Systems, Software Project Management.*

**TECHNICAL SKILLS**

**Languages**: *Python, Java, C, SQL, JavaScript, GOSU (Guidewire)*

**Web Technologies**: *HTML, CSS, JavaScript, Flask, Express.js, Node.js, JWT, Webhooks, NGINX Reverse Proxy, Wireguard Tunnels, Vercel, SSL/TLS.*

**Frameworks**: *RESTful APIs, SOAP APIs, JDBC, JUnit.*

**AI/ML Methodologies**: *Supervised and Unsupervised Learning, Deep Learning, Regression Analysis, Transformers, Large Language Models.*

**AI/ML Frameworks**: *Fast API, PyTorch, RAG, Knowledge Graphs, Agentic AI, Langchain, Langraph, Model Context Protocol (MCP), Prompt Engineering, Model Fine-Tuning, RAGAS, LightRAG*

**AI/ML Libraries & Tools**: *Pydantic, Huggingface Transformers, SpaCy NER, OpenAI API, Ollama, Unstructured IO, Sci-kit Learn, NLTK, Numpy, Pandas, Matplotlib, Regex, NetworkX, Beautiful Soap*

**Cloud**: *AWS EC2, S3, Lambda.*

**Developer Tools**: *Docker, Git, JIRA, Visual Studio Code, GitHub Copilot, Guidewire Insurance Suite.*

**Storage/Database**: *Qdrant, Neo4j, PostgreSQL, MongoDB, MySQL, S3, MinIO, Redis, Apache Kafka.*

**Other Skills**: *Linux/Unix, Object Oriented Programming and Design, Data Structures, Algorithms, Complexity Analysis, Version Control, Agile/Scrum Methodologies, CI/CD, Debugging.*

**PROFESSIONAL EXPERIENCE**

*Jan 2025 – Present*

***Cquent Systems, Inc., Arlington Heights, IL***

***Software Engineer***

Currently working as Software Engineer at Cquent Systems, Inc., a software services company based out of Arlington Heights, IL. As a team member, I am responsible for design, development, implementation of various software applications involving Artificial Intelligence, Machine Learning, Data Science, and other digital technologies.

***Responsibilities****:*

* Responsible for requirements gathering, analysis and writing technical specifications.
* Add more…

***Technologies Used****:* Java, Data Science, Machine Learning, Artificial Intelligence, etc…add more

*May 2023 – December 2024*

***Illinois Institute of Technology, Chicago, IL***

*Graduate Assistant.*

Worked as a Graduate Assistant at IIT, Chicago and in Computer Science department. I was involved in design, development….etc add more.

***Responsibilities****:*

* Developed an AI chatbot integrated with university data using to answer student queries via a chat window on the webpage, leading to a 40% reduction in student wait times and enhancing user satisfaction with accurate data
* Optimized CRM processes using Salesforce Lightning for application and admission support, resulting in a 60% increase in case resolution rates and 50% faster ticket response times

***Technologies Used****:* Java, Data Science, Machine Learning, Artificial Intelligence, etc…add more

*Sept 2021 – Dec 2022*

***PricewaterhouseCoopers (PwC), Bangalore, India***

***Software Engineer***

PWC is a leading so & so company across the globe. I was part of a team responsible for so & so….add some description of the project.

***Responsibilities****:*

* Spearheaded the successful migration of the Guidewire Insurance Suite to the cloud, deprecating legacy systems and configuring critical frontend and backend integrations to work with Guidewire Cloud Console and Amazon S3, resulting in a 30% increase in system efficiency
* Developed scalable and efficient solutions for Guidewire ClaimCenter by utilizing XML, React, Spring, SQL, SOAP APIs, and integrating with Guidewire’s GOSU programming language, enhancing application performance by 25%
* Optimized database query performance by 40% and reduced transaction times by 25% through enforcing stringent coding and logging standards and leveraging the Guidewire Query API. Led JUnit and SOAP testing efforts, achieving 90% code coverage and reducing client testing time by 40%
* Resolved critical client challenges by facilitating productive interactions, exceeding expectations, and maintaining a 95% client satisfaction rate. Led comprehensive project deployment, documentation and deliveries through dry runs, consistently meeting deadlines

***Technologies Used****:* Java, Data Science, Machine Learning, Artificial Intelligence, etc…add more

*Mar 2021 – Jul 2021*

***Cognizant Technology Services (TCS), Chennai, India***

***Software Developer***

Write few lines about CTS and project description at a high level

***Responsibilities****:*

* Managed and transformed large datasets using Informatica PowerCenter, improving ETL workflow efficiency by 30% and optimizing data processing
* Learned and applied Agile/Scrum methodologies using JIRA and Git, enhancing team collaboration and increasing project delivery speed
* Trained on Core Java, Python, Object Oriented Programming and Design, Database Management Systems, SQL

***Technologies Used****:* Java, Data Science, Machine Learning, Artificial Intelligence, etc…add more