VIKAS PRAJAPATI

Software Engineer

Location: Noida, India
Mobile: +91 9161589883
LinkedIn: linkedin.com/in/vikas1998/

DOB: 19 Nov. 1998
Email: vp191198@gmail.com

PROFILE SUMMARY:

Highly accomplished Software Engineer with an established in rapidly resolve complex technical challenges, significantly enhancing customer satisfaction, and driving operational excellence. A collaborative team player with robust technical expertise and a goal-driven approach, consistently delivering outstanding results while optimizing costs, increasing profits, and exceeding expectations.

EXPERIENCE:

- **Software Engineer:**   *10/2023 - 04/2024*
  MulticoreWare Inc | *Chennai, Tamil Nadu, India*
    - As a Software Engineer, I led collaborative efforts with cross-functional teams to design, develop, and deliver high-performance solutions that exceeded client expectations, ensuring seamless functionality, scalability, and optimal performance. I demonstrated exceptional project management skills by delivering projects on time through effective time management and prioritization.
    - Additionally, I conducted an in-depth analysis of technical solutions to ensure alignment with customer requirements and developed efficient, scalable, and maintainable code, ensuring long-term software sustainability and reliability.
    - Mastered C++ development with expertise in dynamic and static linking optimized build processes using CMake scripts, reducing compile times by 30% and enhancing project management efficiency by 40%.
    - Utilized expertise in deep learning models to develop and implement image detection and segmentation solutions, with proficiency in converting models to ONNX format and quantizing to INT8 format. Successfully leveraged AIMET for model quantization, achieving significant improvements in performance and efficiency.

EDUCATION:

- **PG-Diploma in Big Data Analytics**
  CDAC Bengaluru   *03/2023 - 08/2024*
- **Bachelor of Technology in Electronics and Communication Engineering**
  Dr. Rammanohar Lohia Avadh University, Ayodhya   *07/2018 - 10/2022*
- **Intermediate in PCM**
  Radiant Central Public Children Public School, Jalalpur   *07/2014 - 05/2016*

SKILLS & STRENGTHS:

- **Programming Language:**
  - Linux/Unix, Command Line, Virtual Machine, Shell Scripting
  - *C/C++*, OOPs Concept, Static/Dynamic Linking, CMake, MSVC, Data Structure & Algorithm
  - *Python*, OOPs Concept, Flask, Django, Rest API, Fast API, Web Scraping (BeautifulSoup, Selenium), PyCharm, Spyder, Jupyter Lab, Anaconda Navigator, Kaggle, Google Colab, Data Visualization, Data Analysis,
  - *R Programming*, Statistics, Data Visualization, Google Colab, Kaggle
  - HTML5, CSS, JavaScript
- **Database, Cloud & Big Data Technology, Version Control System:**
  - MySQL, MongoDB, PostgreSQL, Oracle, Connectivity with Python
  - Apache Spark, Kafka
  - AWS (S3, EC2), Bitbucket
  - Jira Ticket, GitHub, Docker, Kubernetes
- **Deep Learning:**
  - CNN (Image Classification, Image Detection, Image Segmentation), Torchvision Models, Hugging Face
  - NLP, LLM (llama2, llama3)
  - NumPy, Tensor, Pandas, Matplotlib, Seaborn, PyTorch, TensorFlow, Torchvision Models
- **Soft Skills:**
  - Code Review, Testing, Debugging, Development, Coding Standards (MISRA & AUTOSAR), Agile Methodologies, Multi-Tasking, Keen Learner, Proactive Learner, Problem Investigative, Team Collaboration, Team Reporting, Documentation.

PROJECT:

- **AI Healthcare Chatbot "*Carebot*"**
  - **Summary:** We designed and developed a user-centric interface for the AI-powered healthcare chatbot, "*Carebot*", enabling users to intuitively report health concerns, receive symptom-based disease information, and access valuable resources, including symptom diagnosis, disease information, and geographically optimized hospital recommendations, thereby streamlining healthcare access and support.
  - **Technology:** Python, NumPy, Matplotlib, Seaborn, NLP, HTML5, CSS, MySQL.
  - **ML Algorithm:** Decision Tree Classifier