Preetam Vinod Naik

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Master thesis student in Informatik with over 3.5 years of experience in full-stack software development. Skilled in **Java, Python, SQL, REST APIs, and frameworks like Spring Boot and Angular**. Eager to leverage expertise to enhance and optimize software performance and fostering innovation within organization.

Education

- **Otto Von Guericke University**   Magdeburg, Germany
  Masters in Digital Engineering(Informatik)   *[October '21 - Ongoing]*
- **KLE Technological University**   Hubballi, India
  Bachelor of Electronics and Communications   *[Aug 2015 - May 2019]*

Skills

- **Backend Technologies**:   JAVA, Python, REST API, Flask, FastAPI, Springboot, Apache Kafka
- **Frontend Technologies**:   Angular, Streamlit, React.JS, JavaScript, TypeScript, HTML5, CSS
- **Tools**:   Docker, Kubernetes, PostgreSQL, MySQL, SQLite, GIT, GitLab, Keycloak
- **Project Management**:   JIRA, Agile, Trello
- **Languages**:   English-C2, German-A1

Experience

- **Workstudent Full Stack Software Developer**   June '22 - Present
  Regiocom SE   *Magdeburg, Germany*
  - Developed and implemented responsive websites using **Java Spring Boot, Angular, and PrimeNG** for strategic IT projects.
  - Wrote unit tests and integration tests using mocks to ensure code functionality, security, and maintain high quality standards.
  - Emphasized clean code practices, including detailed JavaDocs and inline documentation, to improve code readability, maintainability, and facilitate team collaboration.

- **Research Assistant**   October '23 - March '24
  Otto-von-Guericke-University Magdeburg   *Magdeburg, Germany*
  - Developed and **Dockerized a Streamlit** based interactive machine learning scenario prototype.
  - Implemented machine learning algorithms, data visualization, and utilized **Docker and Kubernetes** for deployment.
  - Integrated version control using Git to manage codebase changes and facilitate collaboration.

- **Full Stack Developer**   October '19 - August '21
  Infosys Limited   *Chennai, India*
  - Implemented and maintained responsive web interfaces for a data portal using **Java Springboot, JavaScript, TypeScript, HTML, CSS**.
  - Skillfully managed database interactions through SQL and crafted robust **Java REST APIs within a dynamic Agile team environment**.

Projects

- **Master Thesis: Improving Robustness in Language Models for Legal Textual Entailment through Artifact-Aware Training**:
  - Detected and addressed language artifacts in legal textual entailment models fine-tuned on COLIEE data.
  - Leveraged OpenAI's API to generate adversarial instances, mitigating identified artifacts.

- **aDogCa- A Pet Store**:
  - Dockerized and developed a comprehensive web interface for pet lovers using **Angular** for the front end and **Java Springboot** for the backend
  - Implemented key features such as chat functionality, order history tracking, and customer satisfaction metrics.

- **Medimate - Developing and Evaluating a Chatbot**:

- Developed a medical chatbot using **FastAPI, Angular and Google Dialogflow**.
- GeoSearch - Geographical Information Retrieval System:
  - Developed a Geographical Search Engine prototype using NLP principles and WordNet, implemented with **Java** and **Apache Lucene**.

Publications

- **Improving Robustness in Language Models for Legal Textual Entailment Through Artifact-Aware Training**, *New Frontiers in Artificial Intelligence: JSAI International Symposium on Artificial Intelligence, JSAI-isAI 2024, Proceedings*, May 2024, pp. 228-244. View Paper