Megha Chandra Medde

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PROFESSIONAL SUMMARY

Passionate and proficient Computer Science Master's student with one year of experience as a Full Stack Java Developer from November 2021 - November 2022, keen to utilize academic knowledge and practical skills to make meaningful contributions in dynamic software development settings. Actively seeking challenging roles to advance technical skills, enhance problem-solving capabilities, and provide creative solutions to real-world problems.

EDUCATION

Western New England University, Springfield, MA   Expected graduation: December 2024
Master of Science in Computer Science   GPA: 3.56

Mahatma Gandhi Institute of Technology, Hyderabad, Telangana, India   Graduated in: September 2021
Bachelor of Science in Computer Science   CGPA:7.0

RELEVANT EXPERIENCE

Sr. Research Assistant Toyota Research Grant, WNEU, Springfield, MA.   **May 2024 - Present**
- Developed a chatbot leveraging OpenAPI, large language models (LLMs), and fine-tuning techniques using Python, RESTful APIs, and FASTAPI.
- Utilized AWS Web Console, EC2 instances, and S3 Buckets to deploy and manage the chatbot, ensuring robust and scalable cloud infrastructure.
- Created and maintained comprehensive API documentation with OpenAPI Specification and Swagger for seamless integration and deployment.
- Collaborated on code management and version control using GitLab and GitHub, fostering an agile development environment.

Python CS/IT Tutor, Office of Computer Science and Information Technology, WNEU, Springfield, MA
September 2023 to December 2023
- Provided personalized Python tutoring sessions to students of all levels, fostering a comprehensive understanding of programming fundamentals and advanced concepts.
- Tailored lesson plans and teaching methodologies to accommodate individual learning styles, resulting in significant improvements in students' coding skills and confidence.

Graduate Intern at Math center, Department of Mathematics, WNEU, Springfield, MA   **April 2023 to June 2023**
- Developed an intuitive website to automate tasks such as mark division, assignment distribution, and feedback provision, reducing administrative burden and enhancing student engagement.
- Collaborated with colleagues to integrate user feedback, continuously refining the website's features to optimize usability and effectiveness.

Assistant System Engineer, TATA Consultancy Services, Hyderabad, India.   **November 2021- November 2022**
- Utilized Java, Spring Boot, HTML, CSS, JavaScript, and React to develop and maintain web applications, contributing throughout the software development lifecycle. Created RESTful APIs to enhance communication between front-end and back- end systems.
- Worked with diverse teams to gather requirements, schedule project timelines, and deliver top-notch solutions promptly.
- Conducted code reviews and offered valuable feedback to enhance code quality and sustainability.

TECHNICAL SKILLS

PROGRAMMING LANGUAGES: Java, Python, C, C++, C#.
API DEVELOPMENT: RESTful API, OpenAPI Specification, FASTAPI.
CLOUD COMPUTING: AWS Web Console, EC2, S3 Buckets.
WEB TECHNOLOGIES: HTML5, CSS, JavaScript, TypeScript, jQuery, Ajax, Bootstrap, React, Flask**.**
DATABASES: MySQL, SQL, PostgreSQL, MongoDB.
SOFTWARE TOOLS: Visual Studio Code, Swagger, VMWare, Eclipse, PyCharm, Atom, Text Editor (Notepad ++).
VERSION CONTROL: Gitlab, GitHub.

CERTIFICATIONS

Got certified as a Cyber Security Ethical Hacker by IIT Varanasi India.
Got certified as Google analyst by Google.
Got certified as AWS Services Fundamental Beginner by Simplilearn.
Got certified as Python programmer by Hacker Rank.