Angushylesh Subburaj

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Objective

Aspiring Full-Stack Developer with a strong focus on Java and web development, specializing in scalable applications using Java and the Spring Framework. Skilled in optimizing software efficiency, building intuitive user interfaces, and enhancing data processes, and currently pursuing a Master's in Computer Science, aiming to leverage technical expertise to create impactful web solutions.

Skills

Frontend: React, Angular, HTML, CSS, TypeScript, Next.js.
Backend: Node.js, Spring Framework (Boot, Data, Security), Flask.
API: RESTful API, API Design, JWT (JSON Web Tokens) for secure authentication.
Databases: MongoDB, PostgreSQL, MySQL, GraphQL.
Programming Languages: Java, JavaScript, Python, C/C++.
Tools: Git, Webpack, Docker.

Experience

PDF Key Notes Extraction June 2023 – May 2024
MQuotient Pvt. Ltd. - Python Developer Intern *Karnataka, India*

- Engineered a Python-based solution leveraging pdfplumber, Tesseract, and NLP techniques to extract critical insights from PDFs, increasing extraction accuracy to 95%.
- Implemented thresholding and noise reduction strategies to optimize extraction workflows, enhancing data reliability by 20%.
- Conducted 100+ tests with PyTest and integrated debugging processes to ensure software robustness.

Stress-Assessment December 2022 – April 2023
Peakhealth Solutions - MERN stack Developer Intern *Karnataka, India*

- Designed and deployed a React.js and Next.js-based platform for real-time stress measurement using Web Speech API, delivering seamless user interactions.
- Optimized website content and navigation based on Google Analytics insights, boosting user engagement by 20%.
- Enhanced UI/UX functionality through iterative feedback implementation, improving usability by 15%.

Advanced Monitoring Solutions May 2022 - October 2022
Controlytics AI Pvt. Ltd. - Python Developer Intern *Hyderabad, India*

- Created a Thingsboard interface with MQTT and REST APIs for real-time data monitoring and alert management, servicing 100+ users.
- Developed a GPS-enabled IoT tracking system for vehicle movement analysis, covering a 5-square-mile radius for 50+ vehicles.
- Enhanced system reliability by reducing errors by 30% through comprehensive JUnit and Selenium testing.

Education

University of Illinois Springfield, IL
Master of Science in Computer Science *August 2024 – May 2026*

Government College of Technology Coimbatore, TN
Bachelor of Technology in Information Technology *June 2020 – April 2024*

Projects

Network Traffic Monitoring | *Python, Kali Linux, Git* January 2024 – May 2024

- Built a web-based network monitoring application integrating Python and Kali Linux for OSI layer traffic analysis.
- Enhanced network security and operational insights, improving performance by 30%.

Efficient Query Optimization | *Python, Flask* June 2023 – December 2023

- Implemented phonetic search algorithms using Trie and Levenshtein Distance for precise data retrieval.
- Achieved 90% accuracy across 50 benchmarks, with significant optimization for large datasets.