Sherin PS

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Objective

Aspiring Programmer/Analyst I at Amazon with proficient programming skills in Java, Python, and JavaScript. Experienced in software engineering and applying strong problem-solving abilities to address complex business issues in fulfillment and operations. Passionate about collaboration, designing scalable systems, and delivering efficient software solutions aligned with inventory and workflow optimization.

Education

SRM University, Bachelor of Technology in Computer Science Engineering
Specialization: Artificial Intelligence & Machine Learning
CGPA: 8.9 / 10.0

Experience

Software Developer   October 2024 – Present
In22labs

- Engineered full-stack scalable applications using **React.js**, **Node.js**, **Express.js**, and **PostgreSQL** applying software engineering best practices.
- Automated complex business issues by integrating **ChatGPT API**, **YouTube Data API**, and **Google Calendar API** to streamline operational workflows.
- Designed real-time features using **Socket.io**, enhancing collaboration and supporting fulfillment center-like operations.
- Utilized strong problem-solving and analytical skills to debug, optimize, and improve software components aligned with inventory and operational requirements.
- Collaborated cross-functionally to ensure software aligns with Amazon's business processes and supports scalable, robust system design.

Web Designer   August 2024 – October 2024
Bradman Technologies

- Crafted scalable UI/UX designs and prototypes with **Figma** supporting business goals and improving user experience.

Projects

Single Window Portal (Enterprise Solution)

- Developed an internal business management platform using **RESTful APIs** for inventory synchronization and streamlining operations with real-time data updates.
- Applied deep understanding of algorithms and data structures to optimize system scalability and performance.
- GitHub: github.com/im-charan/In22Labs$_{Portal}$

AI Study Plan Curator

- Delivered AI-driven content curation platform integrating APIs emphasizing data validation and automated workflow management.
- Employed ORM tools for secure, scalable database design ensuring robust backend architecture.
- Mitigated security risks with parameterized queries and input sanitization to maintain system integrity.
- GitHub: github.com/SherinPS7/In22labs$_{AI_{S}tudy_{A}pp}$

AI-Driven Voice-Based Product Search and Recommendation System

- Built machine-learning powered ecommerce platform leveraging advanced algorithms and NLP techniques to enhance user interaction.
- Executed backend services and scalable deployments optimizing recommendations for operational effectiveness.
- GitHub: github.com/SherinPS7/Voice-Driven-Ecommerce-AI

Decentralized Voting Application with Multifactor Authentication

- Developed blockchain-based secure voting platform integrating facial recognition multifactor authentication and distributed ledger technology.

Technical Skills

Languages: Java (proficient), Python, JavaScript, SQL, HTML5, CSS3
Frontend: React.js, Next.js, Redux, Bootstrap, Tailwind, Material-UI, AOS
Backend: Node.js, Express.js, Flask, Django, REST APIs, Socket.io
Databases: PostgreSQL, MongoDB, MySQL, Sequelize ORM
AI/ML: BERT, HuggingFace, scikit-learn, TensorFlow, PyTorch, NLP
Tools: Git, GitHub, Figma, N8N, Postman, Docker
APIs: ChatGPT, YouTube Data, Google Calendar

Real-time Tech: Socket.io, WebSockets

Skills: Software Engineering, Object-Oriented Design, Algorithms, Data Structures, Business Process Automation, Analytical Problem Solving, Collaboration, Communication Skills

Certifications

Responsive Web Dev (freeCodeCamp)
Supervised Machine Learning (Coursera)
OOP (Coursera)
Operating Systems (NPTEL)
Intro to Machine Learning - IITKGP

Leadership & Activities

Technical Event Coordinator for "Code Golf" (RetroFest).
Mentored freshers on C programming.
Volunteered at Bhumi NGO: 400+ calls, 20+ programs.