Benjamin Sebastian

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Objective

Seeking an entry-level software developer role specializing in Java, web technologies, and IoT solutions, where I can contribute to innovative projects and grow in an agile environment.

Education

- **Master of Computer Application**
  KJ Somaiya Institute of Management, Somaiya Vidyavihar University, Mumbai.
  2024-2026.
- **Bachelor of Science in Electronics and Communication**
  Mahatma Gandhi University, Kerala.
  2021-2024.

Projects

- **Ayurvedic Prakruti Nischikaran**:
  An innovative machine learning system that analyses 40+ bio-behavioural traits to determine an individual's Ayurvedic body constitution (Prakriti) with 88.5% accuracy. Built with Flask (API), HTML, JS, Tailwind CSS.
  Live | Github
- **Diet Planner**:
  Personalized nutrition app with diet plans, logs, dashboards, and AI chatbot. Built with Java, Spring, Hibernate, MySQL, JSP, Tailwind CSS.
  Github
- **Canteen App for K J Somaiya Institute of Management**:
  An android application built for K J Somaiya Institute of Management for placing, managing orders. Along with admin dashboard. Built with Java, Firebase.
  Github
- **The Covenant**:
  Bible reading app (Android & Web) for exploring books, chapters, verses, with AI insights and text-to-speech.
  Live | Github (Web app) | Github (Android app)
- **Vision AI**:
  A Flask-based API Computer Vision project that generates captions for images using a deep learning model (BLIP).
  Github

Skills

Technical

- Languages: Java, Python, Data Structures, C, PHP, JavaScript, CSS, JSP.
- Frameworks / Libraries: Spring MVC, Spring boot, Hibernate ORM, JFX, Swing, Angular JS, Flask, Bootstrap.
- Databases: MySQL, Firebase, Oracle.
- Artifical Intelligence/Machine Learning: Tensorflow, Pytorch, OpenCV, Scikit learn, Transformers, Generative AI.
- Business Intelligence: Power BI, Tableau, Advanced Excel.
- Tools &Platforms: Github, Docker, Arduino IDE, Android Studio, Netlify, Postman, MIT App Inventor, Hugging Face, IntelliJ, VS Code.
- Software Engineering: RESTful API Integration, SDLC, microservices, version control, Agile Development, unit testing, Selenium, JUnit, Azure DevOps, Taiga.

Non – Technical

- Languages: English, Hindi, Malayalam.
- Problem-solving.
- Analytical thinking.
- Adaptability / continuous learning.
- Creativity / innovation.
- Research and development.
- Leadership.
- Collaboration.
- Team management.
- Multi-tasking.

Certifications

- IBM: Supervised Machine Learning – Classification.
- IBM: Supervised Machine Learning – Regression.
- University of Colorado Boulder: Algorithms for Searching, Sorting and Indexing.
- Full Stack Developer Academy – Front end Web Technologies.
- Aquinas College, Edakochi – Python.

Publications, Achievements and Extra Curricular Activities

- An Overview on Quantum-Driven Machine Learning - Aquinas Journal of Multidisciplinary Research, 2024.
- IoT-Based Intelligent Care System -JETIR April 2024, Volume 11, Issue 4, ISSN-2349-5162.
- Smart Stethoscope for Predictive Health monitoring - GIS Science Journal, VOLUME 11, ISSUE 4, 2024, ISSN-1869-9391.
- EcoPurify Oil Management System - IRJMETS, 2024, Volume 06/Issue:04/April 2024, e-ISSN-2582-5208.
- Crop-Optimized Greenhouse Control System – IJAREEIE, Volume 13, Issue 4, April 2024, e-ISSN: -2278 – 8875.
- Patent applied for PRAKRITI AYURSENSORA-AI NEBULIZER.
- Secured the Runner-Up Award under the Hardware Project Presentation category at PRAKALPA 25 – Technovate, National Level Working Model Project and Paper Presentation Competition by ISTE KJSSE.
- Resource Person for the NextGen Tech Camp 2025, workshop on AI & Robotics hosted by Aquinas College, Edakochi, Kerala.
- 8 hours web developmentTechvanza'25 Hackathon.

Hobbies and Interest

Learning, Cooking, Music, Reading research papers, DIY Electronics, gardening.
