

S PREM KUMAR

OBJECTIVE

Aspiring Software Developer with a strong foundation in Java, Spring Boot, and full-stack development. Successfully completed various technical courses and contributed to real-world projects such as web applications. Passionate about problem-solving and building efficient, user-centric solutions. Aiming to secure an internship or entry-level position where I can apply my knowledge, learn continuously, and contribute to impactful software engineering projects.

EDUCATION

SCHOOLING

Government Higher Secondary School | Marai Malai Nagar | Chengalpattu

- SSLC - 77% - 2019

Sri Ramakrishna Mission Vidyalaya Boys Higher Secondary School | Chengalpattu

- HSC – 78% - 2021

BACHELOR OF ENGINEERING

Tagore Engineering College | Rathinamangalam | Chennai

- B.E in Electronics and Communication Engineering
- CGPA: 7.9/10 (upto 6th Sem)

PROJECTS

HEXAWARE CODE & RISE PROGRAM – SMART RECRUITING PLATFORM

- Developed a web application using Java, Spring Boot, and PostgreSQL to automate and streamline the recruitment process, featuring user authentication and role-based access control for enhanced security.
- Integrated a Python-based AI scoring system for resumes using Flask APIs, enabling intelligent candidate evaluation directly from the backend.
- Designed RESTful APIs to facilitate seamless communication between the Java backend and Python AI module, ensuring efficient processing and scoring of uploaded resumes.
- Implemented a responsive user interface with HTML, CSS, and JavaScript, providing candidates with an easy-to-use platform for resume submission and empowering recruiters with an AI-driven evaluation tool.

SAR Image Colorization for Comprehensive Insight Using Deep Learning Model (SIH)

Problem Statement ID: 1733 | Theme: Space Technology | Category: Software

- Developed a deep learning model utilizing Generative Adversarial Networks (GANs) for the colorization of Synthetic Aperture Radar (SAR) images, enhancing interpretability and usability in various applications.
- Implemented a data preparation pipeline, including data augmentation and preprocessing, to improve model training efficiency.
- Utilized advanced architectures, including an encoder-decoder structure, and employed comprehensive evaluation techniques such as PSNR, SSIM, and binary cross-entropy loss for model performance assessment.

LIBRARY MANAGEMENT SYSTEM

- Developed a Library Management System using Java Spring Boot and Spring Thyme leaf, focusing on basic CRUD operations for efficient library management.
- Implemented core functionalities such as creating, updating, viewing, and deleting books, allowing librarians to manage the library's inventory easily.
- Enabled users to browse available books and add selected books to their personal cart, simulating a borrowing process.
- Utilized Bootstrap CSS 5 to create a responsive and user-friendly interface, enhancing accessibility and ease of use for both librarians and patrons.

COURSES AND CERTIFICATION

Programming in Java (NPTEL)

- Roll No : NPTEL24CS43S953506497
- Certificate Name: Programming in Java
- Topics Covered: Basic Functions, Thread in Java, Multi-threading Concepts, Exception Handling

Java Training Crash Course for Java Beginners (Udemy)

- Credential ID: UC-a1253c8f7-5g81-5698-8c82-933486e5d3be
- Certificate Name: Java Training Crash Course for Java Beginners
- Topics Covered: Datatypes, Operators in Java, Java Statements, Java Functions, OOPS, Spring-Boot

The Complete SQL Bootcamp (Udemy)

- Credential ID: UC-3d53b7f7-2c1c-4109-8c82-933486e5d3be
- Certificate Name: The Complete SQL Bootcamp
- Topics Covered: Datatypes, Queries, SQL Commands, Joins, Aggregate functions, Windows function

SKILLS

Programming Languages : Java, HTML, CSS, JavaScript, SQL (PostgreSQL)

Frameworks and Tools : Spring Boot (Java Development Framework), Spring Security

Spring Data JPA (Java Persistence API), Spring MVC (Model View Controller)

Maven (Build Automation Tool), Pg Admin (PostgreSQL)

INTERNSHIP

Internship at Switching Technologies Gunther Ltd., | 15 Days | Tambaram MEPZ, Chennai

- Gained insights into the manufacturing and production processes of reed switches, including pressing, annealing, and plating
- Learned about the different plating techniques, such as auto and manual plating, and the importance of quality control
- Observed the sealing with glass, lead-out processes, and how reed switches are blended with cables
- Acquired knowledge of visual and electrical testing procedures to ensure product quality
- Gained exposure to the technical aspects of reed switch production and their application in various industries

Shri Harshika Vocational Training Centre | Smart Phone Servicing and Repairing | 15Days | Old Perungalathur, Chennai

- Gained hands-on experience in diagnosing and fixing hardware issues, including display replacements, and motherboard fault identification
- Developed skills in troubleshooting and repairing various mobile phone components
- Acquired a comprehensive understanding of mobile phone internals and effective repair techniques
- Acquired an understanding of electronic components critical to motherboard functionality, such as capacitors, transistors, and resistors, along with checking battery conditions
- Learned to flash and change mobile phone software, enhancing troubleshooting and repair skills

CONTACT

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