

ANILA PRATHIPATI

SOFTWARE DEVELOPMENT ENGINEER | JAVA | PYTHON | BACKEND DEVELOPMENT

Waterbury, CT | +1 (203) 909-5458 | shinyanila37@gmail.com | linkedin.com/in/shiny-anila-988a81305

PROFESSIONAL SUMMARY

Java Developer Intern and M.S. Computer Science graduate with hands-on experience developing Java and Spring Boot backend components, RESTful APIs, SQL-backed applications, and AI/ML projects. Skilled in Java, Python, SQL, object-oriented development, API integration, testing, debugging, root-cause analysis, Git/GitHub, technical documentation, and Agile SDLC practices. Open to relocation across the United States.

TECHNICAL SKILLS

Programming: Java, Python, SQL, JavaScript, HTML5, CSS3

Backend & CS Fundamentals: Spring Boot, Spring Framework, RESTful APIs, JSON, Hibernate/JPA, JDBC, Maven, Flask, Object-Oriented Programming, Algorithms, Microservices Fundamentals

Databases: MySQL, PostgreSQL, SQL Server, SQL Queries, CRUD Operations, Data Validation

Testing & Troubleshooting: JUnit, Postman, API Testing, Functional Testing, Integration Testing, Regression Testing, Debugging, Log Review, Root-Cause Analysis, Defect Reporting

Tools & Practices: Git, GitHub, IntelliJ IDEA, Agile/Scrum, SDLC, Technical Documentation, Deployment Support

AI & Data: NLP, SBERT, Cosine Similarity, CNN, SVM, PCA, Computer Vision, Image Processing, Document Parsing

EXPERIENCE

Community Dreams Foundation | United States

May 2026 - Present

Junior Java Developer Intern

- Develop and maintain Java and Spring Boot backend components from documented requirements and software specifications.
- Build and integrate RESTful APIs using JSON and validate request, response, and error-handling behavior with Postman.
- Write and refine SQL queries for MySQL and PostgreSQL to support application features, data validation, and issue investigation.
- Perform API, functional, integration, and regression testing; document defects, validate corrections, and communicate technical findings.
- Troubleshoot application issues through debugging, log review, and root-cause analysis; document solutions for team reference.
- Use Git and GitHub for version control and participate in Agile discussions, task updates, and deployment-support activities.

SELECTED PROJECTS

AI-Powered Semantic Resume Screening Platform | *Python, Flask, NLP, SBERT, Cosine Similarity, PDF/DOCX Parsing*

- Built an AI-driven platform using Python, Flask, NLP, SBERT embeddings, and cosine similarity to parse resumes and rank candidates against job descriptions.
- Engineered preprocessing pipelines to extract and normalize text from PDF and DOCX files for multi-format document ingestion.
- Implemented match categorization and similarity scoring to present transparent candidate-evaluation results.

Online Banking Transaction Management Platform | *MySQL, SQL, JavaScript, HTML5, CSS3*

- Built a banking application supporting authentication, customer accounts, beneficiary administration, fund transfers, transaction history, and account operations.
- Designed MySQL-backed data models and CRUD workflows for customer, beneficiary, and transaction data.
- Implemented authentication, beneficiary, and fund-transfer workflows and designed responsive interfaces using HTML, CSS, and JavaScript.

Machine Learning-Based Signature Verification System | *Python, CNN, SVM, PCA, Computer Vision, Image Processing*

- Built a machine-learning system to classify genuine and forged signatures for automated fraud-detection workflows.
- Engineered image preprocessing, normalization, and feature-extraction steps to prepare handwritten signatures for model processing.
- Implemented CNN and SVM classification models and applied PCA-based dimensionality reduction within reusable data-preparation and model workflows.

EDUCATION

Master of Science in Computer Science | University of Bridgeport, Bridgeport, CT | Graduated 2026

Relevant Coursework: Algorithms, Operating Systems, Data Mining, Cloud Computing, Web Application Development, Data Communications, Advanced Artificial Intelligence, Deep Learning

CERTIFICATIONS

Machine Learning Specialization - DeepLearning.AI | Python for Everybody - University of Michigan | Full Stack Java Programming | Business English Certification - University of Cambridge