

Dhananjay Sabhahit

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SUMMARY

Computer Science professional with 4 years of excellent software development, debugging, analytical & problem-solving experience, exploring the exciting world of Machine Learning and Large Language Models.

EDUCATION

Master of Science in Computer Science
University of Florida, Gainesville, United States

Mathematics, Algorithms, Data Science
Aug. 2025 - May 2027(Expected)

Bachelors in Computer Science & Engineering
R.V. College of Engineering, Bengaluru, India - 8.27/10

Data structures, OOP, Database
Aug. 2017 - Jul. 2021

TECHNICAL SKILLS

Languages: Java, Python, SQL(Oracle, MySQL, PostgreSQL), JavaScript(ReactJS).

Frameworks/Developer Tools: Cursor, Spring, Spring Boot, JUnit/Mockito, Docker, Kubernetes, GCP(GKE, GCE, PubSub), Git/GitHub - CI/CD in GitHub actions and Argo-CD, RabbitMQ, ActiveMQ, Flask, Linux, Bash, Helm.

PROFESSIONAL EXPERIENCE

Software Engineer II

NCR Voyix (Candescent) - Digital Banking

Jan. 2023 – July 2025

- Extended a Business Banking Positive Pay system serving **(20M+ users)** to Retail users called **Check Return system**, by designing and developing a suite of RESTful APIs in Spring Boot.
- Constructed Database schema, implemented in-memory caching, retry mechanisms, and a custom singleton design that eliminated **~90%+ redundant sessions**.
- Reduced cloud download time by **~60%** via parallel execution; boosted check upload capacity for end users by **~4x** (from 5000 to 20000 checks) using **asynchronous request handling**.
- Built a favorite template creation for transaction/balance report generation & transaction filtering within a reporting microservice of a digital banking application, impacting **10K+ businesses**.
- Guided a **team of 4 engineers** in a fast-paced agile scrum team, managing dependencies, task delegation, assisting in development and conducting technical sessions on Spring Boot, Docker, and Kubernetes.
- Increased code coverage to **98%**, debugged and remediated defects & vulnerabilities using SonarQube, Whitesource, Polaris, JFrog Xray, Contrast, and AquaSec, while driving **multiple GCP deployments**.

Software Engineer I

NCR Voyix (NCR Corporation) - Digital Banking

Aug. 2021 - Dec. 2022

- Built a Java wrapper library parallelizing file transfers combining existing Java APIs and REST APIs, cutting data transfer times by **~50%**.
- Migrated push notification microservice from ActiveMQ to Google Pub/Sub, improving scalability/performance by **~20%**.
- Containerized applications from *Google Compute Engine* to *Google Kubernetes Engine*, achieving **near-100% availability**.
- Automated performance monitoring with Python scripts. Parsed logs, notified in Slack & email, reducing support response times by **~10%**.
- Parsed data from file system (CSV, XLSX) and performed data migrations of multiple financial institutions by creating REST APIs in Python. Developed internal tools (Flask + ReactJS), **saving 35+ engineer hours/month**.

RELEVANT COURSE PROJECTS

URL Shortener | *Spring Boot, ReactJS*

Aug. 2021 - Oct. 2021

- Built a production-grade URL Shortener in Spring Boot, with bit.ly integrations, JWT authentication, session management, expiring short URLs, custom short URLs and OS based short URL redirects to different websites.

KOA Severity Detection & Classification | *Python, Keras, TensorFlow*

Jan. 2021 - Jun. 2021

- Built DC-UNet segmentation and ResNet classification machine learning models for Knee Osteoarthritis (KOA) severity detection and quantification of patient images (MRI). Achieved Dice score: **“0.80”**.

Decentralized Storage | *Python, Socket API, Flask, MongoDB*

Aug. 2020 - Dec. 2020

- Designed a 4-node decentralized storage system with AES-256 encryption & Diffie-Hellman key exchange for data exchange, storing 75% of data across other nodes.