Nikhil Vijay Yadav

Tempe, AZ | +1(623)261-8279 | nyadav30@asu.edu | [Portfolio](#) | [Github](#) | [LinkedIn](#)

WORK EXPERIENCE

Barclays — Pune, India
Software Development Engineer — *May 2022 - Dec 2023*

- Designed OpenAPI Specification and developed the entire Personal Customer Change of Address and Close Account Domain Java REST APIs consumed across multiple channels.
- Developed UI React component screens for colleagues and online retail banking channel, achieving a **50%** improvement in response time.
- Multithreaded processing of customer address data retrieval and update across multiple downstream systems including bank accounts and credit cards resulting in **70%** reduction in response time and **80%** reduction in manual efforts to sync addresses across multiple systems.
- Interacted with stakeholders to prioritize requirements and align them with organizational goals using project management tool like Jira.

Tata Consultancy Services — Pune, India
Software Development Engineer — *Sep 2020 - May 2022*

- Worked as a Python Backend Developer for well driven Australian Bank on their Margin Lending Report Generation Application.
- Migrated over 100+ legacy SQR Scripts to Python, enhancing system performance and reducing batch job execution time by **60%** through the generation of PDF, CSV, Text, and XML Reports.
- Worked on Linux (RHEL) platform and modified existing shell scripts to make them compatible with the new python scripts.

Cradiant IT Services Pvt. Ltd — Pune, India
Software Development Engineer Intern — *Jan 2020 - June 2020*

- Contributed to the development of Java API endpoints using the Spring Boot framework, collaborating with cross-functional teams to design and optimize them resulting in **60%** enhancement in the overall efficiency of the portal.
- Actively debugged and conducted comprehensive testing of API functionality using Karate Testing. This effort resulted in the identification and resolution of issues, thus reducing the potential setbacks by **50%**.

PROJECTS

Twitter Sentiment Analysis Using Supervised Machine Learning. — *Aug 2019 - May 2020*

- Applied advanced Natural Language Processing techniques innovatively to find out the Sentiment of Tweets achieving a remarkable **90%** accuracy rate.
- Developed GUI in Python Tkinter to accept the topic of interest and to view the sentiment of Tweets in a Graphical Representation.

College Accounting Management System. — *Jan 2019 - May 2019*

- Designed and implemented a Java-based standalone application for student facilities management, Integrated with an Oracle database and featuring diverse student account types based on majors.
- Optimized code and streamlined JDBC calls, resulting in a **20%** reduction in system response time, while also strengthening security measures and overall operational efficiency.

EDUCATION

Arizona State University — Tempe, AZ
Master of Science in Computer Science; — *Jan 2024 - Dec 2025*
Courses: Data Mining, Machine Learning, Data Visualization, Knowledge Representation and Reasoning

Savitribai Phule Pune University — Pune, India
Bachelor of Computer Engineering; ***CGPA: 9.27/10.0** (top 1%, Class of 2020)* — *August 2016 - May 2020*
Courses: OOP, Web development, Database Management System, Artificial Intelligence, Data Structures & Algorithms

Skills

Languages : Python, JavaScript(ES5/ES6), TypeScript, C, C++, HTML, CSS, JSON, XML, Shell Scripting.

Technologies and Frameworks : Java Spring Boot, REST APIs, React, GraphQL, OpenShift, Junit, Mockito, Karate Testing, Machine Learning, Data Science, SonarQube.

Tools : Microsoft PowerPoint, Microsoft Excel, Microsoft Word, AppDynamics, Tableau, Power BI, Google Colab, JIRA, Confluence, Kibana, Jupyter Notebook.

Database : MySQL, PostgreSQL, NoSQL, Sybase, Oracle.

Version Control : Git & GitHub, BitBucket, SourceTree.

Skills : Agile, Scrum, Web Development, Unit testing, Scalable Multithreaded Architecture, Micro-services, CI/CD.

Soft Skills : Communication (verbal and written), Leadership, Collaboration, Mentorship.

Achievements & Activities

- Recognized by the Head of Engineering at Barclays in the Account and Customer Servicing Team for delivering high-quality results and executing Phase 1 of the NorthStar Change of Address Project with excellence.

- Awarded TCS Applause and On the Spot Award for rapid learning and timely, high-quality delivery. Recognized for leadership in the Nexus SQR to Python Migration Project.

- Published a technical paper on Twitter Sentiment Analysis using Machine Learning for Product Evaluation in IEEE at the 5th International Conference on Inventive Computation Technologies (ICICT).

- Achieved the Academic Excellence Award for securing the top position with an SGPA of 9.8/10 and additionally recognized as the university rank-holder during the academic year 2016-2017.