ANJALI PANDEY

SUPPORT & JAVA DEVELOPER | BANKING APPLICATIONS | UPSKILLING IN AI/ML/DL (MIT & IITD)

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Summary

Motivated IT professional with hands-on experience in Java development and retail online banking applications. Skilled in support, testing, and development with strong analytical and problem-solving abilities. Currently enhancing expertise through MIT No-Code AI/ML certification and ongoing IIT Delhi Advanced AI/ML/DL coursework. A quick learner with a positive attitude, eager to contribute, grow, and adapt to new technologies in dynamic environments.

Key Achievements

- Successfully contributed to development and support of **retail online banking applications**, improving stability and user experience.
- Collaborated with cross-functional teams to enhance application features using **Java, SQL, and testing practices**.
- Completed MIT No-Code AI/ML certification, applying ML concepts to real-world problem-solving without coding.
- Currently pursuing Advanced AI/ML/DL coursework from IIT Delhi, strengthening understanding of machine learning, deep learning, and data-driven decision-making.
- Recognized for strong problem-solving skills, quick learning, and ownership mindset in fast-paced technical environments.

Experience & Projects

MIT Professional | No Code AI/ML **Aug 2025 - Dec 2025**

Case Study:

- **Uber Data Analysis**: most popular areas, demand in month & time, rate of pickups etc.
- **Melbourne Housing Data Analysis**: variables effects in price of a house. Correlation between variables etc.
- **Marketing Campaign Customer Segmentation:** divide customers with k-means clustering algo with 8 Principal component analysis i.e. Second High-Income Group, Medium-Income Group, Second Low-Income Group, Lowest-Income Group, High-Income Group.
- **Online Shopper Intention Prediction:** Used Decision tree pruned & ensemble learning Randon forest.
- **Movie Recommendation System**
- **Yelp Recommendation System:** Item-Item Collaborative Filtering to make personalized business recommendations in order increase customer engagement as well as satisfaction.
- **Book Recommendation System:** Reader's Club can improvise their Recommendation Systems to suggest relevant books for users, enhance customer satisfaction, and grow the ratings given.
- **Digit Recognition**
- **Insurance Charges**
- **University Admission Prediction:** Artificial Neural Network
- **Fashion Image Classification:** Artificial Neural Network
- **Rice Type Image Classification:** Deep Learning Algorithm CNN for sampling and inspection.
- **Yoga Pose Detection:** Complex image data, for which we need CNNs using Teachable Machine.

Projects:

- **Predicting the cancellation of Hotel Bookings by customers**
  To analyze which factors, have a high influence on booking cancellations, build a predictive model that can predict which booking is going to be cancelled in advance, and help in formulating profitable policies for cancellations and refunds.

- **Loan Default Prediction**

  From their past repayment & equity data, we used machine learning models to prediction whether the given good be a bad in future for this, we are using Neural Network Algorithms and compare it and out of all the three model Neural Network with Grid Search has the best performance with Accuracy, Precision matrix.

Tata Consultancy Services | IT Analyst **Pune, India | Jan 2017 - Aug 2021**

Technical Details:

- Used Agile SCRUM for project management.
- Used JIRA for user stories and Confluence for collaboration among team members.
- Used DI, IOC of spring in application for Creating, Initializing, wiring beans in IOC container.
- Used xml files for mapping handler, Service component wiring & mapping.
- Used properties files for adding database, logging dev/test environment properties.
- Used Java 1.7 for backend & business logic.
- Used JUnit for unit testing.
- Used IntelliJ debugging tool for debugging code.
- Used Log4j for logging.
- Used Git for version controlling.
- Used Tortoise git for merging code from integration branch to dev/test branch.
- Used Jenkins for build, code coverage (by SonarQube), deploy & manage properties in dev/test server.
- Used HTML, CSS & Angular for UI.
- Test Rest APIs from Postman.
- Gave support to Manual, Automation, Integration, Penetration & UAT test team if needed.
- Got Peer code review approval for implemented code and sometimes participated in team code review events.
- Used x-rays of Jira for bug resolving & managing during testing among development & test team members.
- Consumed OAuth authorization framework that enables applications to obtain limited access to user accounts on an HTTP Rest API Service.
- Used Authorization code grant type for getting temporary token for accessing & getting data from Rest APIs.
- Update business customers loan details in mainframe with Customer Service gateway.
- Customer Service gateway (MuleSoft Gateway) internally calls respective microservice & shared the relevant HTTP status in application.
- API gateway read and understand HTTP msg and apply filter and take actions on traffic.
- This validates request and then authenticate & authorized user and discover relevant service according to HTTP request (like update/delete/insert/select/validate data in database.) then do protocol translation and dynamic routing to microservice internally.

Projects:

- Business Instant Lending - Scaleup 100K & 50K
- Consumer Lending Aggregator Program
- Personal Loan customer journey: Payment Date Selection
- Merchant customer transactions details: BPS- Transaction & Settlement

BHRAMM TECHNOLOGIES PVT. LTD. | Software Developer **IITK, India | Feb 2013 - Jan 2014**

Technical details:

- Hadoop setup in standalone & distributed mode.

- Used MapReduce Framework for collecting data & reducing it.
- Then saved it into database i.e. HBase in standalone mode.
- When used cloud technology later in second phase of development using DynamoDB for saving huge reduced data.
- Images of products are stored in s3.
- Used elastic cloud computing scripts/template for VPC implementation.
- Used AWS cloud Infrastructure service for using Auto scaling group, spot instances for setting up environment according to requirements & data size.
- Did machine setup with predefined AMIs.
- Run jobs in virtual machine and after data processed dissolve all virtual machine.

Project:

- Individual can search about the product like mobile, laptop or any product from this website & can compare prices from many e-commerce websites.

Education

UTTAR PRADESH TECHNICAL UNIVERSITY Lucknow-UP, India July 2009 – Jun 2013

BACHLOER OF TECHNOLOGY (COMPUTER SCIENCE ENGINEERING) 75.72%

Skills

Technical Language: **JAVA, PL/SQL**

Certification & Training: AWS SAA C-02 & AWS: Fundamentals of ML/AI,

Google: Introduction to Generative AI; Introduction to Large Language Models; Introduction to Responsible AI; Introduction to Image Generation.

Courses: Currently pursuing in the MIT NO Code AI/ML course which will end on December 1st week. Also enrolled with IIT Delhi Advanced Machine learning program which will start from Oct-2025 and ends in May 2026.

Technical Skills – No-Code AI/ML (RapidMiner & KNIME)

- Built end-to-end machine learning workflows using RapidMiner and KNIME with drag-and-drop components.
- Performed data preprocessing: cleaning, transformation, normalization, feature engineering, and handling missing values.
- Developed classification, regression, clustering models using visual workflow operators.
- Worked with structured datasets, CSV inputs. Conducted model evaluation using cross-validation, confusion matrices and key ML performance metrics.
- Implemented automated ML pipelines and performed model optimization and hyperparameter tuning.
- Designed ETL workflows for data extraction, joining, filtering, aggregation, and exporting results.
- Utilized visual analytics and dashboards to interpret and present model outcomes.
- Followed AI/ML best practices, including data quality checks, avoiding model bias, preventing overfitting, and ensuring workflow transparency.

Working Knowledge: **Project Management (SDLC)**: Agile & Water fall**; Build**: Ant, Maven; **Unit test**: Junit (Power mock Runner, Mockito etc.)**; API**: Restful API integration, Postman; **Continuous Integration Process**: Jenkins (for deployment & managing in servers); **Agile Project Management**: Jira (for user stories), documentation; **Team Collaboration System**: Confluence**; Version Control**: Git, Tortoise SVN ; **IDE**: IntelliJ IDEA, Eclipse **; Operating Systems**: Windows, Linux Ubuntu; **Databases**: MySQL, NoSQL, HBase**; Java Web Framework**: Spring MVC, Spring Boot**; Server**: Tomcat **; UI**: Angular, HTML, Bootstrap CSS; **Other**: Debugging, JSON, Hadoop, Shell script.