

Vineeta Anand

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SUMMARY

Associate Software Engineer with 1.7 years of experience in system optimization and database management, and 1.2 years as a Banking Associate at Bank of Baroda managing FINACLE-based retail operations. Skilled in Python, Java, TensorFlow, PyTorch, and cloud technologies, with a strong foundation in scalable software engineering, customer-centric financial workflows, and ML-driven solutions.

EXPERIENCE

Associate Software Engineer Accenture Services Pvt. Ltd., India	Nov 2013 – Jul 2015 SAP Basis / Oracle / HP-UX
<ul style="list-style-type: none">Administered SAP NetWeaver and SAP Ariba landscapes on Oracle Database and HP-UX, improving system availability and performance.Performed client administration and SAP Transport Management, including kernel upgrades and SAP Notes implementation.Collaborated with cross-functional teams to analyze production issues and optimize ABAP-based components.Led rapid prototyping of internal tools aligned with business goals to enhance operational efficiency.	

Banking Associate

Bank of Baroda, India	Jun 2018 – Sep 2019 Retail Banking / FINACLE
<ul style="list-style-type: none">Managed daily banking operations, including customer transactions, account management, and loan processing using FINACLE.Ensured compliance with banking protocols and regulatory requirements, supporting accurate and efficient processing.Prepared daily reports and maintained financial records, improving service quality and customer satisfaction.	

EDUCATION

M.Tech. in Computer Science & Engineering Motilal Nehru National Institute of Technology, Allahabad, India	Aug 2022 – Jul 2024 CPI: 8.5
B.Tech. in Information Technology Galgotias College of Engineering & Technology, Greater Noida, India	Jul 2009 – May 2013 72.48%

PROJECTS

ShadowRec: Diversity-Aware Graph-Based Recommender System	Python, PyTorch, LightGCN
<ul style="list-style-type: none">Extended LightGCN with a shadow-based regularization term to jointly optimize recommendation relevance and catalog diversity.Modeled embedding-space distances as cosine/geometric “shadows” to promote novel yet relevant recommendations.	
Cross-domain Knowledge-Aware Recommender System	Python, NLP, Transformers, GNNs
<ul style="list-style-type: none">Built a recommender leveraging book and movie domains to enhance personalization via cross-domain knowledge transfer.Addressed data sparsity by sharing latent representations with GNNs and transformer-based encoders.	
Time-Critical Systems with Energy Harvesting	C++, Embedded, Real-time Scheduling
<ul style="list-style-type: none">Designed a scheduling algorithm with dynamic voltage scaling and checkpointing to tolerate single transient faults.Integrated energy harvesting models to sustain reliability under power constraints.	

PUBLICATIONS

- “A Survey on Recommender Systems using Graph Neural Network”, ACM Transactions on Information Systems, 2024.
- “Tolerating Single Transient Fault in Time Critical System using Energy Harvesting”, EICC 2013.

TECHNICAL SKILLS

- Languages:** Java, JavaScript, Python, C, C++, C#, PHP, SAP ABAP, HTML, CSS, XML, JSON.
- Data & Databases:** MongoDB, MySQL, MS SQL Server, Oracle 10g.
- Frameworks & Libraries:** React, Node.js, TensorFlow, Keras, PyTorch, Graph Neural Networks, LightGCN.
- Tools & Platforms:** AWS, Docker, GitHub, Google Colab, Jupyter Notebook, Visual Studio.
- Data & Analytics:** Pandas, NumPy, ML algorithms, AI/ML model implementation.
- Software Engineering:** SDLC, Agile, responsive web design, full-stack development, cloud technologies, scalable systems, API optimization.

CERTIFICATIONS

- AWS Certified Cloud Practitioner, AWS, Jun 2025.
- Developing Web Applications with PHP & MySQL, NIIT, Jan 2012.
- Oracle Database 10g: Introduction to SQL, NIIT, Jan 2011.
- Developing Web Applications using ASP.NET, NIIT, Jan 2010.