Jyoti Das

Application Engineer with 5+ years in full-stack development, DevOps, and cloud technologies. Expertise in AI integration, LLM data analysis, and optimizing model performance using advanced ML techniques and function-calling.

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PROFFESIONAL EXPERIENCE

Oracle | Associate Application Engineer | *March 2022 – November 2023*

- **Adaptability:** Successfully transitioned between technical teams shortly after joining, rapidly mastering new processes and backend architectures with minimal oversight.
- **Backend Development:** Led backend development for Construction and Engineering platforms using Java and AWS.
- **DevOps Automation:** Built CI/CD pipelines with AWS CodePipeline and used Terraform and Ansible for infrastructure automation.
- **Reliability:** Monitored applications with Grafana and Kibana; performed SaaS troubleshooting and ensured FedRAMP compliance.

Cognizant Technology Solutions | Test Analyst | *Sept 2021 – Dec 2021*

- Led a six-member offshore team to ensure timely delivery of project requirements for US Bank

Queen's Web | Full Stack Developer (Part-Time) | *Aug 2020 – Sept 2021*

- Developed social media and food ordering applications using Spring Boot and React.

ThriveDX | Full Stack Instructor (Part-Time) | *Jan 2021 – Dec 2024*

- **Technical Instruction:** Taught front-end and back-end technologies, including JavaScript, React, Node.js, and Spring Boot.
- **Mentorship:** Mentored students in the successful execution of practical full-stack development projects.

SKILLS

AI & LLM Integration: Integrated AI agents and LLM workflows using Java APIs, AI agent frameworks.

Programming Languages: Java , Python , JavaScript , Bash , Shell.

Frameworks & Libraries: Spring Boot , React , Node.js , Hibernate.

Cloud Platforms: AWS (EC2, S3, Lambda, DynamoDB, CodePipeline), OCI, Azure.

DevOps Tools: Docker , Jenkins , Ansible , Terraform , Puppet , Git.

Monitoring & Databases: Grafana , Kibana , Nagios , PostgreSQL , OracleDB , SQL.

CERTIFICATIONS

- **Google:** Generative AI and Large Language Models.
- **Oracle Cloud Infrastructure 2024:** AI Foundations Associate.

Conduent India (Chase Bank) | Junior Software Developer | *April 2007 – May 2008*

- **Backend Engineering:** Developed backend components for banking applications.
- **Collaboration:** Participated in team-based code reviews and defect resolution

EDUCATION

Master of Computer Applications (MCA), Utkal University, India.

Bachelor of Computer Science, Khallikote Autonomous College, India.

Full Stack Web Development Certificate, University of Texas at Austin.

Enterprise Java and React Native Certificate: Southern Methodist University

Post Graduate Program in Artificial Intelligence and Machine Learning: Business Applications : University of Texas at Austin **(in-Progress)**

PROJECT EXAMPLES

Personal Loan Campaign project:

Developed a predictive classification model to identify patterns driving personal loan adoption among existing liability customers. The model enables targeted segmentation, improving marketing campaign conversion, optimizing spend, and enhancing profitability through higher-quality loan portfolio growth.

Used - Python(Pandas, Numpy,Seaborn,matplotlib,sklearn),

ExploratoryDataAnalysis (univariate and Multivariate) **,**
ML- Linear Regression , Decision Tree(Pre-pruing,Post-pruining)

Food Hub Data Analysis :

Data analysis on different restaurants and cuisines demands , to improve the customer business chain.

Used - Python(Pandas, Numpy , Seaborn) SQL,
ExploratoryDataAnalysis (univariate and Multivariate)