

NEHA DABEERU

California, USA | nehadabeeru04@gmail.com | +12403860822 | [LinkedIn](#) | [Github](#) | **Start Date - Immediately**

EDUCATION

San Jose State University – <i>California, USA</i> Master of Science, Data Analytics (STEM)	Dec 2024
Coursework: Machine Learning, Deep Learning, Data Mining, Big Data Technology, Data Visualization, Database, Statistics	
SRM University – <i>Tamil Nadu, India</i> Bachelor of Technology, Computer Science and Engineering	July 2020
Coursework: Data Structures and Algorithms, Object-Oriented Programming (OOPs), NLP, Operating Systems, AI	

PROFESSIONAL EXPERIENCE

Software Developer II Intern, Bank of America (<i>Charlotte, NC, USA</i>)	June 24 - Aug 24
<ul style="list-style-type: none">Created a scalable Angular component library using modular design, adopting it in key projects and reducing development time by 30%.Upgraded Angular v10 to v16 via AngularCLI, refining code and async methods, improving load time by 30% and UI responsiveness by 25%.Implemented CI/CD pipelines with Jenkins and Docker, configuring deployment across 10+ projects, and reduced release times by 40%.	
Software Engineer I, Bank of America (<i>Chennai, TN, India</i>)	June 20 – Dec 22
<ul style="list-style-type: none">Developed a responsive webpage using HTML, CSS, and Angular, boosting user engagement by 20% for 1,000+ users through UI/UX design.Optimized Angular performance with TypeScript by implementing caching, lazy loading, and code-splitting, reducing load times by 40%.Enhanced backend API efficiency by 50% using Java, Spring Boot, and MongoDB indexing and sharding to enhance system scalability.Implemented ADA and JAWS compliance standards, ensuring web accessibility and expanding usability for individuals with disabilities.	
Software Engineer Intern, Rashtriya Ispat Nigam Limited (<i>Visakhapatnam, AP, India</i>)	May 18 – Aug 18
<ul style="list-style-type: none">Refactored Django application to Java/SpringBoot, optimizing supply chain management and reducing costs by 10% through automation.Developed RESTful HTTP APIs to enhance system communication and data accessibility, boosting efficiency by 25% across operations.Actively collaborated with cross-functional teams to streamline requirements and provide technical solutions, meeting critical deadlines.	

RELEVANT PROJECTS

MedPredict- Hospital Readmission Prediction: Angular FastAPI Docker AWS S3 PubMedBert ClinicalXLNet OpenAI BigBird
<ul style="list-style-type: none">Built Dockerized, LLM-driven dialogue-based model in Angular and FastAPI, achieving 90% accuracy and reducing readmissions by 45%.Managed 100GB MIMIC III data using AWS S3 for scalable storage, with Firebase for secure system authentication and HIPAA compliance.Designed RAG prototype in Figma, leveraging GPT-4 API to enhance narrative summaries, improving clinicians' decision-making by 80%.
Tourbot- AI Chatbot for Tourist Recommendations: Python Angular Flask Tensorflow Postgres Tableau LLM Deep Learning
<ul style="list-style-type: none">Deployed full-stack model with Angular, Flask, and TensorFlow; integrated LLM for real-time interactions to boost user engagement by 30%.Analyzed 10GB Yelp data with Flask and PostgreSQL; improved handling and visualization with Python and Tableau for actionable insights.Fine-tuned GPT-2 with TensorFlow for NLP capabilities, achieving a 0.8 BLEU score, boosting relevance and accuracy of real-time responses
SfJobSync+ - Explore with San Francisco City's Job Information App: Python AWS (S3, EC2, Redshift) PySpark Apache Kafka Tableau
<ul style="list-style-type: none">Built AWS pipeline with Redshift for storage, S3/EC2 for data, Kafka for streaming, and PySpark for processing, enabling efficient analysis.Implemented logistic regression in the pipeline to predict 94% job placements accuracy, using feature engineering to optimize data flow.Integrated AWS Redshift with Tableau to develop analytics dashboards, enhancing candidate identification process by 15% for SF County.
Spartan Store - Cross-Domain Enterprise Marketplace: AWS EC2 Heroku Angular MySQL PHP Cookies
<ul style="list-style-type: none">Developed an e-commerce platform via RESTful APIs, boosting user engagement by 25% through longer sessions and higher conversions.Boosted product discoverability by 20% with advanced SQL search, indexing, and full-text search, validated by enhanced user interactions.Deployed backend on AWS and Heroku using MySQL, achieving 99.9% uptime and enhanced transaction security by implementing SSL/TLS.

TECHNICAL SKILLS

Programming Languages & Frameworks: Java, Python, C/C++, JavaScript (ES6+), TypeScript, Spring Boot, Flask, Django
Frontend Technologies: HTML5, CSS3, React, Angular, Vue.js, Redux
Backend Technologies: Node.js (Express), RESTful APIs, GraphQL, SOAP APIs
Databases: SQL (MySQL, PostgreSQL, Azure SQL), NoSQL (MongoDB, Redis, Cassandra)
Cloud, & Big Data: AWS (EC2, S3,RDS) , GCP, Azure, Hadoop, Spark
DevOps Tools: CI/CD Tools (Jenkins, GitLab, Bitbucket), Containerization (Docker, Kubernetes), Agile Methodologies, JIRA, Bash Scripting