

FNU DEVAPOOJITAA

Front End Developer | Data Analyst | Software Engineer

Memphis, TNS | +1 6823043620 | fnudevapoojitaa@gmail.com | <https://www.linkedin.com/in/devapoojitaa/>

CAREER OBJECTIVE:

3+ years of experience, Self-motivated with attention to detail and analytical skills, Computer Science graduate with a perfect 4.0 GPA, possessing an entrepreneurial vision and mindset. Proficient in Full Stack frontend and backend web Development (including MERN stack), Machine Learning, and Data Analytics. Proven track record in optimizing system performance and enhancing user experience through process improvement and innovative solutions in fast-paced environments. With a keen eye for problem-solving and a commitment to excellence, I am poised to contribute to innovative solutions and drive business growth.

EDUCATION:

University of Texas at Arlington | *Master of Science in Software Engineering & Artificial Intelligence* May 2024

Coursework: Software Design, SDLC, Quality Assurance and Testing, Requirements Engineering, Agile Methodologies, Project Management, Neural Networks, Deep Learning, Cost Reduction with AI Innovation, Reinforcement Learning, Optimization

KS School of Engineering and Management | *Bachelor of Science in Computer Science* July 2022

SKILLS:

Programming Languages and Databases: HTML, JQuery, R, Python, MySQL, SQL, Mongo DB, PostgreSQL, Algorithms, SAS

Frameworks & Testing Tools: React, Angular, Selenium, Terraform, JavaScript, NodeJS, PowerShell, WordPress, Figma, SAP

Data Analysis & Machine Learning Tools: TensorFlow, Scikit-Learn, SpaCy, NLTK, Keras, PyTorch, NumPy, Pandas, Seaborn, Tableau, Power BI, Excel, PowerPoint

Cloud & DevOps: Version Control, AWS, Microservices, CI/CD, Docker, GitHub, ETL, Jenkins, Linux

Organizational Skills: Agile, Team Management, Problem Solving, Verbal and Written communication skills, Jira, SCRUM, AI Prompt Generation.

WORK EXPERIENCE:

Junior Software Developer – Target Arc Consulting

August 2023 – Present

- Spearheaded **sprint planning** sessions, test plans, crafted detailed **technical specifications**, and designed strategic roadmaps. Expertly balanced software development tasks with project management duties the timely delivery of features.
- Skillfully translated Figma designs into **responsive user interfaces** using **React JS**, and **Material UI**, ensuring seamless visual-to-live environment UX transition, and accounting for 10% enhancement in user experience.
- Developed data retrieval **APIs to manage and fetch data**, employing modern asynchronous communication techniques. Rigorously **tested API endpoints with Postman**, enhancing system reliability and data accuracy, resulting in a 5% improvement in **data handling efficiency**.
- Employed **Git** and **VS Code** for source code management, code reviews, successfully merging over 15 pull requests with a 90% first-review acceptance rate, showcasing efficient code collaboration, documentation, and quality.
- Conducted automated tests troubleshooting, **QA** focusing on test-driven development to guarantee the component's optimization, functionality, scalability, high availability, and reliability, adhering to the highest quality standards.

Graduate Teaching Assistant – Machine Learning

January 2024 – May 2024

- Collaborate work with faculty to refine and update the machine learning curriculum, incorporating the latest industry practices and academic research to ensure course is contentful.
- **Led seminars** on specific topics such as deep learning with PyTorch, natural language processing with NLTK and Spacy, and reinforcement learning, which were well-received and increased student engagement.
- **Participated in research projects** alongside professor, applying machine learning models to solve complex problems, which enriched my understanding and provided real-world examples to share with students.
- Assisted in grading examinations and assignments, providing constructive feedback to students to foster their academic growth, networking and understanding of machine learning.

Junior Data Analyst- PieEye

May 2020 – August 2021

- Conducted **exploratory data analysis** and experiments on large datasets at FinTech with statistics using **Python** and **R** to identify trends and anomalies, enhancing data accuracy and reliability.
- Implemented automated **ETL pipelines** using **SQL** and Python, improving data flow, and reducing processing time by 10%.
- **Validated** and **visualized** complex data insights through comprehensive dashboards and reports, leveraging both quantitative and qualitative insights to facilitate strategic decision-making by marketing and product development teams.
- Assisted in developing a sales forecasting application using **Scikit-learn**, which improved forecast accuracy by 5%, and communicated findings through interactive **Tableau** dashboards to support business objectives.
- Ensured clean data and data integrity by performing regular maintenance and validation checks, identifying, and resolving data issues promptly.

ACADEMIC PROJECTS:

- **"SmartRecipe Chef"**: Designed a recommendation engine using TensorFlow and Scikit-Learn, analyzing user preferences to deliver personalized recipe suggestions. Enhanced model accuracy and user engagement, leveraging Power BI for data visualizations.
- **"ChatGPT Sentimental Analysis"**: Developed and fine-tuned an LSTM and Bidirectional LSTM model on Twitter data, achieving 91% accuracy. Contributed research papers on LSTM, Bidirectional LSTM, and XLM-T models to the open-source.
- **"Predictive analytics for Student Performance"**: Utilized Scikit-Learn to predict final grades. Evaluated model performance using R-squared metrics, Mean Absolute Error (MAE), and Root Mean Squared Error (RMSE), achieving prediction accuracy of 85%.
- **"Document Submission Portal: Healthcare based React Project"**: Developed a React/Redux-based healthcare document submission portal, integrating Docker for containerization, optimizing API's for data fetching, employing Agile practices to enhance functionality and user experience.

AWARDS:

"Graduate Teaching Assistant" Issued by University of Texas at Arlington - Selected for exceptional academic performance and ability to communicate, demonstrating the ability to effectively assist in teaching and mentoring students.

" Outstanding Performance" Issued by PieEye - Awarded for analytic capabilities, spike in business performance by 10% efficiency boost.