MONIK PRIYATHAM KATLA

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EDUCATION

Master of Science in Computer Science **Jan 2023 - Dec 2024**

California State University, Long Beach | **GPA: 4.0/4.0**

Coursework: Advances Software Engineering, Programming Languages, Software Maintenance, Application Development

Bachelor of Technology in Computer Science and Engineering **Jul 2017 - May 2021**

Jawaharlal Nehru Technological University, India

TECHNICAL SKILLS

Software Development: Agile, Scrum methodologies, SDLC (Software Development Life Cycle)

Languages and Frameworks: Python, Java, JavaScript, C++, C#, Django, Scikit-learn, TensorFlow, Transformer, PyTorch, Machine Learning, NumPy, Pandas, Keras, React Native, Redux, Jest, RealmJs, Spring MVC, Spring, ReactJS, Angular, OOP (Object-Oriented Programming), Design Patterns, UI/UX

Frontend: HTML, CSS, Node.js, React Native, Redux, Bootstrap, GraphQL

Backend Development: Go, RESTful APIs, Microservices, SQL, NoSQL, Mux, Gin libraries.

Databases: MySQL, Oracle PL/SQL, MongoDB, YugabyteDB

Others: AWS, Azure, Git, CI/CD (Harness, Rancher), Docker, Kubernetes, Sonar, Postman, Jira, Confluence, Photoshop, Linux, Unix, Android Studio, ETL/ELT, PowerBI, Matplotlib, Datadog, Dynatrace, REST API (Swagger)

WORK EXPERIENCE

Mobile Application Developer | **Honeywell Internationals, Bangalore, India** **Sep 2021 - Dec 2022**

- Developed and maintained over 20 reusable UI components using React Native and Node.js, reducing development time by 30% and improving overall code efficiency by 25% across multiple applications.
- Shipped production-level applications assembled with React and Node.js, successfully deploying them on AWS Cloud, increasing application scalability and reducing downtime by 40%.
- Enhanced API call efficiency by 15% and improved middleware performance using Redux-Saga, achieving a 99% API success rate,and reducing middleware response times by 15%.
- Followed industry-standard Test-Driven Development (TDD) practices to write high-quality, well-documented code, reducing bugs by 20% and ensuring a reliable codebase for long-term project sustainability.

Junior Developer | **Appstix Technologies Private Limited, Bangalore, India** **Jul 2019 - Sep 2021**

- Deployed 10+ highly scalable applications on AWS Cloud using EC2 and S3, reducing operational costs by 15% and enhancing system scalability by 25%, supporting thousands of users.
- Implemented, architected, and thoroughly tested HTTP REST APIs with Web APIs and Node.js, achieving a 99% success rate in POSTMAN, ensuring seamless and secure API integration across multiple services.
- Established and automated CI/CD pipelines on AWS, reducing release cycles by 40% and ensuring smooth, error-free production deployments for distributed applications across various environments.
- Planned and implemented Go-based microservices, improving system performance by 30% and reducing response times by 20% with Datadog and Dynatrace, ensuring reliability across distributed systems.

PROJECTS

Automated Cover Letter and Resume Generator | **ReactJS, OpenAPI, Redux, MongoDB** **Dec 2023 - Feb 2024**

- Developed a full-stack web application leveraging ReactJS and ChatGPT API to automate the generation of personalized cover letters and resumes for 500+ LinkedIn profiles, saving users significant time and effort.
- Implemented Redux for efficient state management across components, improving overall app responsiveness by 30% and ensuring consistent user experience during concurrent operations.
- Integrated MongoDB for storing and retrieving user data, reducing database query latency by 25%, and ensuring secure storage of sensitive personal information for improved reliability.
- Enhanced the UI using ReactJS components, achieving a 40% increase in user engagement and a 95% satisfaction score based on post-deployment user surveys.

Credit Card Fraud Prediction | **EDA, Python, Machine Learning, Data Warehouse** **Mar 2023 - May 2023**

- Created an advanced fraud detection system using SVM, Decision Tree, and Random Forest models, achieving an accuracy rate of 92% on a dataset of over 100K transactions, and minimizing financial risks.
- Conducted extensive exploratory data analysis (EDA) to identify key features influencing fraudulent transactions, reducing false positive rates by 15%, and enhancing the model's reliability.
- Designed a user-friendly React-based web application to deploy the fraud detection model, enabling real-time analysis and handlingover 2,000 daily user requests with 99% uptime.
- Optimized model training pipelines to improve prediction speed by 20%, processing high-volume transactions in under one second, ensuring rapid fraud detection capabilities.