PALLAVI DEOGADE

Seattle, WA|(206)-405-0176| Email| LinkedIn| GitHub

TECHNICAL SKILLS

- Languages: Java, Python, JavaScript, TypeScript, Swift, C
- Web Frontend: HTML/HTML5, CSS/CSS3, React, Redux, Angular
- Server-side: Node.js, RESTful APIs, MySQL, SQL Server, MongoDB
- Tools: Git, GitHub, Wix, Next.js, Jupyter Notebook, Matplotlib, Pandas, NumPy, Selenium, Firebase
- Cloud Services: AWS (DynamoDB, API Gateway, Lambda), Azure App Service, Azure Functions, Cosmos DB, Azure AI Studio, Azure Storage

EDUCATION

Master of Science in Information Systems   Sep 2022 - May 2024
Northeastern University, Seattle, US

Bachelor of Engineering in Information Technology   Aug 2015 - May 2018
Yeshwantrao Chavan College of Engineering, India

WORK EXPERIENCE

MENTEM.lab   Nov 2024 – Present
Software Development Engineer

- Developed a responsive User Profile screen using for efficient user information management
- Effectively used AWS Lambda functions and API gateway for user - agent conversations and insight generations

Northeastern University, Seattle   Feb 2024 – May 2024
Teaching Assistant

- Lead discussion sessions, graded assignments, and provided detailed feedback on coding tasks and algorithm
- Conducted review sessions before exams to help students prepare and clarify any doubts, reviewed code of 30+ students and suggested optimizations in assignments & projects

Testbook.com   June 2018 – May 2022
Software Engineer

- Designed & developed REST APIs using .NET/C# to list & view various exams offered by testbook.com ensuring seamless interactions between frontend & backend systems
- Enhanced product quality by addressing bugs in transaction APIs, resulting in a 20% reduction in API-related issues, and executed unit tests to achieve an overall test coverage above 95%
- Designed & implemented reusable React components using TypeScript resulting in 25% increase in user engagement
- Leveraged React's lifecycle methods, hooks, memoization techniques to optimize component rendering and improved application performance by 30%
- Integrated mock server with the client UI to run the client without the backend APIs which improved the inner development loop significantly

PROJECTS

Diabetics Watch Prediction (Python, NumPy, Matplotlib, Pandas, Jupyter)

- Cleaned, performed EDA, balanced the Behavioral Risk Factor Surveillance System (BRFSS) dataset using NearMiss and visualized it
- Implemented and calibrated 6 supervised machine learning algorithms tuned hyperparameters, and evaluated performance using accuracy and root mean squared error (RMSE) metrics

Full Stack web application (JavaScript, React, NodeJS, HTML, CSS)

- Developed a responsive **full-stack web application,** utilizing **React and JavaScript** for dynamic front-end rendering, and **NodeJS** for building RESTful APIs on the server-side

Student Management System (Java, MySQL, JDBC, OOPs)

- Established an enterprise-level management system using Java, MySQL, JDBC, and service-oriented architecture, effectively managing 95% of academic and personal student information