DIVYA SHEELAM

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TECHNICAL SKILLS

Languages: Java, C#, Python, C language
Front-end Technologies: HTML, CSS, JavaScript, AngularJS, Bootstrap
Back-end technologies: Spring , ASP.NET (MVC)
Databases : MySQL, Oracle
Cloud Technologies: Azure, AWS S3 (Basic)
Developer Tools: Git (GitHub, Bitbucket) , Visual Studio, Anaconda, Eclipse
Operating Systems: Linux, Windows, Mac
Methodologies : Agile (Scrum), DevOps
Other: Data Structures and Algorithms, Responsive Design

EDUCATION

University of Cincinnati (GPA: 3.97/4) *Cincinnati, Ohio*
Master of Science in Information Technology Aug 2023 – Dec 2024
Anurag Group of Institutions (GPA: 8.2/10) *Hyderabad, India*
Bachelor of Technology (Electrical & Electronics Eng.) Aug 2018 - July 2022

EXPERIENCE

Accenture - Associate Software Engineer | Hyderabad, India Oct 2022 – Jul 2023
- Developed and maintained scalable web applications using Java and Angular, implementing RESTful APIs to ensure seamless integration between frontend and backend components.
- Optimized data handling and retrieval by leveraging Oracle databases and SQL, enhancing application performance and scalability by 30% while adhering to Agile methodologies..

Cognizant - Programmer Analyst | India Jan 2022 - Sep 2022
- Engineered cloud-native solutions using Java microservices, solving complex integration challenges and scaling ERP architecture to support a 20% increase in concurrent users and designed robust data solutions with MySQL, Python, and Oracle Database contributing to end-to-end software development and testing processes.
- Administered version control systems (Git, GitHub, Bitbucket) across multiple projects, implementing branching strategies to streamline collaboration, accelerate feature delivery, and maintain high code quality.

Skill Safari - Front End Developer | India Apr 2020 - Sept 2020
- Designed and developed interactive, responsive web pages using HTML5, CSS, JavaScript, and Bootstrap, improving page load times and enhancing user engagement and accessibility.

ACADEMIC PROJECTS

Customer Segmentation for Enhanced Marketing Strategies (Capstone Project) Sep 2024 - Dec 2024
- Designed and implemented a web application leveraging Angular for the frontend and RESTful APIs for seamless data communication to display customer segmentation insights.
- Integrated customer segmentation logic based on RFM analysis and clustering techniques (K-Means, Hierarchical, DBSCAN) for real-time data processing.
- Created interactive dashboards for visualizing customer behaviours, enabling businesses to design targeted marketing strategies and improve customer engagement.

Expense Tracker | *MySQL, HTML, CSS, JavaScript, Bootstrap, Angular* Jan 2024 - Apr 2024
- Developed a responsive web application using Angular and Bootstrap, enabling users to add, edit, delete, and categorize expenses with real-time data visualization and summaries.
- Optimized expense categorization and data retrieval by leveraging HashMap for efficient lookups and MySQL for persistent storage, reducing query processing time by 15%.

Plant Disease Detection | *Python, TensorFlow, OpenCV, CNN, HTML, CSS, JavaScript, Flask* Jan 2022 - Apr 2022
- Led a team of 4 members to develop a Convolutional Neural Network (CNN) for predicting plant diseases, achieving 95% accuracy in disease classification using TensorFlow, Keras, and Pandas libraries. Trained the model on an extensive dataset of thousands of images to ensure high reliability and precision.
- Designed and implemented a web application to display prediction results, enhancing accessibility for end-users

CERTIFICATIONS & PUBLICATIONS

- Microsoft Certified: Azure Fundamentals, Security Compliance and Identity, Power Platform Fundamentals
- **Transmission Lines Fault Classification using Supervised Machine Learning** Volume-12, issue-1 published in *international journal of Engineering and Advanced Technology (IJEAT).*

ACTIVITIES

- Led a dedicated team of 10 members in volunteering at the Seventh International Conference on Transformations in Engineering Education (ICTIEE) held at Anurag Group of Institutions by IUCEE.
- Completed Arduino workshop at Anurag Group of Institutions, gaining knowledge in Arduino IDE with Embedded C, and applying skills in various IoT projects.