Divyasri Naraharisetti

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Education

University of Florida. **Aug 2022 – May 2024**
Master of Science in Computer Science *GPA: 3.81/4*

- **Coursework:** Cloud Computing, Penetration Testing–Ethical Hacking, Machine Learning, Advanced Data Structures, Analysis of Algorithm, Computer Networks, Distributed Operating System Principles, Emerging Computing Concepts.

Motilal Nehru National Institute of Technology **Aug 2018 – May 2022**
Bachelors of Technology in Electronics and Communication Engineering *GPA: 8.8/10*

Technical Skills

Programming Languages: Python, Java, C/C++, C#, JavaScript (ES6), TypeScript (Next), SQL.
Web Technologies: Node JS, Django, React, Redux-toolkit, Flask, REST, Fast API, Angular JS, HTML5, CSS.
Cloud Technologies: Kubernetes, Docker, AWS EC2, RDS, S3, IAM, API Gateway, Lambda.
Database Technologies: MongoDB, MySQL, PostgreSQL.
AI Tools: TensorFlow, Keras, PyTorch, OpenCV, Matplotlib, Seaborn, NLTK, Scikit-learn, Hugging Face.
Tools and Platforms: Git/GitHub, UNIX/Linux, NGINX, Postman, VS Code, Tableau.

Experience

Web Development and Design Intern | **Sails Software Solutions** **Jan 2022 – Jun 2022**
Technologies: Django, Python, REST API, DRF, MySQL, Angular.

- Constructed a strong Full stack application by creating a RESTful API with Django's MVT framework, effectively handling more than 10 endpoints.
- Developed a responsive user interface in Angular to enhance the user experience and worked on website redesigns to improve navigation, and visuals.

Data Analysis Intern | **QUEST Global Engineering Pvt. Ltd.** **May 2021 – Aug 2021**
Technologies: SQL, Tableau, BigQuery, Excel.

- Streamlined dataset analysis to expedite high-value aerospace orders, boosting performance maturity by 15% and automating anomaly detection.
- Analyzed aerospace datasets, uncovering an average of 55 defects per model weekly. Processed data for daily testing and enhanced visualization methods for weekly defect reports to the team.

Projects

High-Availability WordPress Deployment on AWS | *EC2, RDS, ASG, VPC, WordPress* **Aug - Dec 2023**

- Engineered a highly-available WordPress application on AWS, utilizing EC2 for robust hosting, RDS for efficient database handling, and Auto Scaling Groups (ASG) to ensure consistent performance under varying load conditions.
- Enhanced network performance and security using Route 53 for DNS management and AWS VPC for creating a secure, isolated network environment.

Img2PDF | *HTML5, CSS, JavaScript, Node.js, Pug - Git* **Oct - Oct 2023**

- Designed an online image-to-PDF converter website that converts images to PDFs, streamlining digital image handling. Implemented various API endpoints using Express.js to support efficient conversion functionality.

Real Time Messaging Application | *React, MongoDB, Tailwind, NextAuth - Git* **May – Oct 2023**

- Engineered an application, leveraging a tech stack of 6 key technologies including React, Tailwind, and Next.js for front-end, and Prisma, MongoDB, and NextAuth for back-end, to enable instant communication and essential messaging features.
- Deployed the messaging app in a Docker container, integrating MongoDB and React.js for streamlined backend and frontend operations.

House Party Music Controller | *React.js, JavaScript, Django, Python - Git* **May - Aug 2023**

- Spearheaded and deployed a Music Web application leveraging the Spotify API, resulting in 500 active users who actively contributed, shared, and engaged with the app, driving a 25% increase in user retention and doubling active sessions.

Campus Crib | *React, Tailwind CSS, JavaScript - Git* **Jan – May 2023**

- Formulated an interactive web prototype with React, aiding University of Florida students in finding housing in Gainesville, resulting in a 25% increase in successful housing matches.
- Created an intuitive platform using expertise in web development and user experience design, enhancing user engagement and about 90% satisfaction metrics.

Twitter Engine Clone | *Erlang, JavaScript, MongoDB - Git* **Aug – Dec 2022**

- Simulated Twitter using Erlang for 10,000+ users and tweets. Utilized Erlang's concurrency and MongoDB for efficient reads on co-located data during peak loads.

Movie Recommendation System | *JavaScript, Python, NLTK, Beautiful Soup, Flask - Git* **Feb – May 2021**

- Redesigned a personalized recommendation engine using collaborative and content-based filtering, improving recommendation accuracy by 20% and user retention by 10%.
- Built a full-stack web application and put into practice a sentiment analysis feature that analyzed the emotions behind user reviews with Flask that supports a REST API and used React.js for the front end.