

Sri Pranay Nagavolu

Front End Engineer

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I'm a Junior Full Stack Developer with over 3 years of experience and a Master's in Computer Science. I've shouldered a profound responsibility in diverse industries, including technology, business, and design. I specialize in streamlining projects, consistently reducing timelines by 25%, and enhancing load times. Proficient in a wide range of technologies, including Angular, Node.js, Django, SQL, and more, I'm deeply committed to pushing the boundaries of software development to consistently deliver exceptional results.

Skills

Web-development: JavaScript, TypeScript, HTML5/CSS3, UI/UX, REST APIs, Django, Express JS, Angular, Node, React, JQuery.

Programming Languages and Cloud: Python, Flask, JAVA, C++, C, Data Structures, Algorithms, AWS.

Other Tools and Miscellaneous: MySQL, NoSQL, ASP.NET, MVC, Git, Postman, Photoshop, Docker, Figma, Linux.

Work Experience

Junior Software Developer

Oct 2020 – Mar 2021

Caarya

- Designed web applications with unique structures and aesthetics using Angular and Node, enhancing cross-functional collaboration, and delivering innovative solutions with 25% increased project efficiency following Agile SDLC.
- Incorporated AWS Cloud Services for web operations, reducing costs by 15% while maintaining peak performance with AWS RDS.

Front-End Software Engineer

Jan 2020 - Mar 2021

DeltaNow

- Facilitated effective collaboration among design and development teams, reducing Datatrove's product development time by 20% and accelerating feature delivery by 30% for the DoAA Data Management Solution.
- Headed front-end UI development and integration for various product modules, using Bootstrap, Angular, Node, SQL, MongoDB, and Django; improved load times by 50% and enhanced customer retention by 15%.

Junior Software Developer Intern

Jun 2020 – Sep 2020

Fountane

- Facilitated a design thinking research program, collaborating with cross-functional teams to redefine problems and discover effective solutions.
- Awarded Most Outstanding Student Intern for contributions and leadership and guiding 4 other interns through the internship experience.
- Utilized AWS Cloud Services for web operations and demonstrated competence in cloud computing with AWS RDS.

Projects

Datatrove

- Administered a modern web-based database system for the university's training and placement office, replacing spreadsheets, and boosting efficiency by 40%, leading to faster student placements.
- Strengthened development of a real-time Angular app with Django backend, featuring RESTful APIs and Google OAuth for security, resulting in a 25% higher user retention and a 50% reduction in login issues.

Fake news detection system | Academic Project

- Developed a BERT-based deep learning model to classify news authenticity, incorporating data labeling, data cleaning, and exploratory analysis for enhanced model performance. Evaluated the model's effectiveness using accuracy, precision, recall, and F1 score metrics.

Warehouse Traversal Optimization | AI Academic Project

- Architected a binary balanced tree data structure to represent a 15-division warehouse layout with 63 shelves per division.
- Spearheaded the successful adoption of the Iterative Deepening Depth-First Search (IDDFS) algorithm, leveraging its capabilities to reduce path length by 30% and optimize item retrieval for customer orders, resulting in significant time and cost savings.
- Evaluated 100 customer orders, analyzing average path length of 24.26 units; identified shortest path at 43 units and longest path at 392 units, optimizing order fulfillment process for increased efficiency and customer satisfaction.

Education

Masters, Computer and Information Sciences

May 2023

University of North Texas, Denton

GPA: 3.5

Software Engineering | Computer Algorithms | Natural Language Processing | Fundamentals of Database

Certifications

Red Hat Certified System Administrator(RHCSA)

Credential ID 180-216-046