

Navya Sri Annapareddy

+ (91)-7659898298 | navyasri.annapareddy@gmail.com | <https://www.linkedin.com/in/a-navya-sri/>

Innovative and results-driven **Software Engineer** with expertise in **frontend** and **backend development**, specializing in building scalable applications, streamlining workflows, and driving operational efficiency. Proficient in technologies like **React**, **JavaScript**, **Python**, and **AWS**, with a proven track record of delivering impactful solutions that reduce costs, improve performance, and enhance user experiences. Adept at working in collaborative, fast-paced environments and excelling in ambiguous situations to create value for organizations.

PROFESSIONAL EXPERIENCE

Amazon – Software Engineer

Aug 2022-Present

Hyderabad

Action Center Development

- Designed and developed a centralized tool to display key metrics, including ticketing, code reviews, deployments, and security risks.
- Integrated APIs to aggregate data from diverse sources, providing a comprehensive overview.
- Created a new AWS (CDK) package for the application, enhancing infrastructure management.
- Utilized DynamoDB for data storage and querying, ensuring efficient data retrieval.
- Scheduled daily and weekly cron jobs to update the database, maintaining data accuracy.
- Developed views for managers to track team-level metrics and individual views for personal task management.

LLM Workflow Builder tool Development

- Developed the Workflow Builder (WFB), a direct-access platform enabling machine learning scientists to create human-in-the-loop data collection workflows.
- These workflows provide data labeling services for various tasks, with human annotations fed back into machine learning models to enhance their robustness.
- Engineered multiple workflows to facilitate the training of diverse large language models (LLMs).
- Developed reusable react components for processing video, audio, image, and text data, enhancing the system's versatility.

Content Registry – Dataset Access Automation & UI Enhancements

- Automated dataset access request process, reducing turnaround time (TAT) from 4 weeks to 5 days
- Developed a dynamic React UI to track request progress with features like real-time status updates, progress bars, and subscription status badges.
- Integrated backend APIs to fetch and display metadata, ensuring accurate representation of request steps (e.g., Registration, Risk Evaluation).
- Wrote unit tests to ensure code quality and system stability.

Infrastructure Cost Optimization

- Implemented the AWS Instance Scheduler to turn off unused instances.
- Scaling down the EC2 instances from higher configurations to lower configurations to reduce the cost of billing. Used the latest instance types, which are usually more efficient and perform better at a lower price.
- Implemented the Auto Scaling feature to automatically increase or decrease the number of instances running based on demand.

Amazon – Software Engineer Intern

Feb 2022-Jul 2022

Interview Scheduling Tool:

- Developed an internal tool to streamline the interview scheduling and management process.
- Designed user interfaces to capture inputs from recruiters and candidates, enhancing user experience.
- Implemented logic using AWS Lambda to match candidates with interviewers based on their preferred times, optimizing scheduling efficiency.

Continuous Integration/Continuous Deployment (CI/CD) Pipeline Enhancement

- Implemented approval workflows to eliminate manual deployment processes, increasing automation.
- Added unit and integration tests to ensure accurate, bug-free deployments.
- Reduced service downtime by streamlining deployment processes.
- Worked with AWS CDK and internal packages to integrate approval workflows.
- Developed Python scripts to automatically notify owners of blocked pipelines, improving communication and efficiency.

Automation and Troubleshooting:

- Developed automation solutions to eliminate manual tasks, increasing operational efficiency.
- Updated software versions with patches and new installations to address security vulnerabilities.
- Resolved complex technical issues through root cause analysis, ensuring system reliability.
- Deployed software packages across the enterprise using automated deployment tools, standardizing software distribution
- Managed multiple projects simultaneously, consistently meeting deadlines.

EDUCATION

B. Tech – Computer Science and Engineering	2018-2022
<i>GVP College of Engineering (A), Visakhapatnam (9.35 CGPA)</i>	
Intermediate – Mathematics, Physics, Chemistry	2016-2018
<i>Narayana Jr College, Vuyyuru (97.5%)</i>	
Secondary Education	2016 pass out
<i>Sri Chaitanya Techno School, Vuyyuru (9.8 CGPA)</i>	

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C.
- **Web Technologies:** Cloudscape, ReactJS, HTML5, CSS3, JavaScript.
- **Database Management:** SQL, MySQL, PostgreSQL, DynamoDB, MongoDB.
- **Version Control:** Git, GitHub.
- **Other:** Jinja, Json, GraphQL, VS Code.

LANGUAGE COMPETENCIES

- English, Telugu, Hindi, Tamil.

ACCOMPLISHMENTS

- Scholarship from Foundation for Excellence (FFE)
- Secured college first in APEAMCET (State level entrance Exam) and Department top in B. Tech.