AMAR PONNAM

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OBJECTIVE

- Diligent software engineer with 4 years of expertise in programming with Java and proficient in using collections and data structures.
- Proficient in UI design, developed Front End applications using HTML5, CSS3, JavaScript, ReactJS, ES6
- Knowledgeable in software design patterns and architectural principles, applying them to design scalable and modular software solutions.
- Proficient in integration technologies such as RESTful APIs, enabling seamless communication between different components of a system.
- Adaptable to new programming languages and frameworks, with a demonstrated ability to quickly learn and apply new technologies as needed.

EDUCATION

Master of Computer Science, Fitchburg State University (GPA: 3.9/4.0) 2022 - 2024

Bachelor of Electronics and Communication Engineering, K L University(GPA: 9.3/10) 2017 - 2021

SKILLS

Languages/Frameworks	C, Python, Java, Sap ABAP, HTML5, CSS3, Javascript, ReactJS, Spring Framework SQL, Spring Boot, Hibernate
Devops/Tools	Git,Docker,Kubernetes , Botpress, Labview
Cloud Technologies	AWS(EC2, ECS, EKS, EBS, EFS, RDS, Aurora, Cloudwatch, LAMBDA, cloudtrail IAM, SQS, SNS, Step Functions, RDS, DYNAMODB, Cloudfront, S3)

EXPERIENCE

Systems Engineer May 2021 - June 2022
Tata Consultancy Services *Telangana, India*

- Architected and streamlined API calls for SaaS product, improving response time by 50 percent and enabling seamless integration for clients; documented request model for clear communication and efficient troubleshooting.
- Strong understanding of common API technologies, such as OAUTH, SAML, Spring Boot and Micro services
- Gained exposure on working with third-party dependencies and debugging dependency conflicts.
- Involved in JUnit Testing, debugging, and bug fixing.
- Leveraged the inbuilt React toolkit for creating frontend features.
- Used Spring Boot Actuator to monitor and manage the application in production environment
- Designed and implemented REST APIs using Spring Boot, with deployment and continuous integration managed through AWS CodePipeline.
- Integrated AWS Elasticsearch to enhance data retrieval and indexing capabilities for scalable search functionality.
- Configured and managed log monitoring and alerting through AWS CloudWatch, ensuring robust observability and proactive issue resolution.
- Implemented AWS Cognito for user authentication and authorization, providing secure and scalable identity management.
- Utilized AWS CodeCommit for source code version control, ensuring streamlined code management and collaboration.

Intern   Jan 2019 - May 2021
Swecha   *Vijayawada, India*

- Internship experience involved server maintenance and administration, including work with FreedomBox, a server platform enabling the installation of media servers and local repositories.
- Gained hands-on experience with various open-source technologies, broadening understanding of server management and open-source ecosystems.
- Contributed to impactful projects aimed at supporting educational initiatives for government school children, utilizing web technologies such as JavaScript and React.js.
- Developed a diverse skill set and a passion for creating positive social impact through technology during the internship.
- Acquired knowledge in front-end web technologies, including practical experience with JavaScript and React.js.
- Gained insights into sprint planning and decision-making processes, enhancing project management and organizational skills.
- Developed proficiency in SQL and database management, including designing and querying databases to support application functionality.

PROJECTS

Career Vision Portal: Implemented a cutting-edge Career Vision Portal, providing tailored insights and continuous support to guide individuals from 10th grade through undergraduate studies. This platform featured personalized career path recommendations, interactive tools for academic planning, and real-time updates on educational opportunities. It significantly boosted user engagement and decision-making confidence by offering a user-friendly interface and actionable advice. Integrated features included goal tracking, personalized notifications, and access to a wealth of resources designed to assist users in making informed choices about their academic and career trajectories. The portal's analytics capabilities also allowed for ongoing refinement based on user feedback and behavior, ensuring it met evolving needs effectively.(Try it here)

News Analyzer: The News Analyzer project also incorporates sentiment analysis to gauge the overall tone of news headlines, providing users with a comprehensive understanding of public sentiment on various issues. By using advanced algorithms, the system can detect biases and highlight emerging trends, making it an essential tool for journalists, researchers, and policy makers. Additionally, the platform offers real-time updates and customizable alerts, ensuring that users stay informed about the latest developments in their areas of interest. This robust solution not only enhances media monitoring capabilities but also empowers users to make data-driven decisions with greater confidence.

Stock Price Prediction: The Stock Closing Price Prediction project also integrates sentiment analysis of financial news and social media to capture market sentiment, further refining the predictive model. This comprehensive approach ensures that the model accounts for both quantitative and qualitative factors affecting stock prices. Additionally, the project includes a feature for back-testing strategies to validate the model's performance over historical data, providing stakeholders with a reliable tool for risk assessment and portfolio management. By combining cutting-edge machine learning techniques with real-time data analysis, this project offers a sophisticated solution for navigating the complexities of the financial markets.

PROFESSIONAL CERTIFICATES

AWS Certified Solutions Architect – Associate