

# Ram Chandra Bhavirisetty

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## Summary

I am an experienced full-stack web developer with a strong coding background. I also have a Master's degree in Data Science, which allows me to excel in data analysis and implementing data-driven solutions. I have a passion for web development and creating impactful web applications that provide seamless user experiences. My attention to detail and dedication to delivering high-quality results make me a valuable asset to any team.

## Work Experience

### TJ Maxx, Framingham, MA, USA

*June 2022 - Present*

#### Python Developer

- Designed and developed Django Restful APIs for automating data extraction and preprocessing, enabling smooth communication between the DRF backend and React.js frontend
- Utilized web scraping techniques to gather competitor pricing data, leading to a 20% increase in market insights and improved pricing strategies
- Designed Kafka consumers and producers to manage asynchronous data flow among different application components, ensuring data consistency and reliability
- Leveraged AWS services to optimize data storage costs by 30% and enhance data processing capabilities
- Technologies Used: Django Rest Framework, Restful APIs, React.js, Web scraping, Kafka, Terraform, EC2, S3, Lambda, API Gateway, DynamoDB, Redshift, Glue

### Tata Consultancy Services, Chennai, India

*January 2021 - August 2021*

#### Software Developer

- Developed and maintained a responsive web application using React.js, Flask, and PostgreSQL and implemented CI/CD pipelines with Jenkins
- Collaborated with cross-functional teams to gather requirements, design system architecture, and deliver innovative solutions meeting business needs
- Technologies Used: Flask, React.js, Tailwind CSS, PostgreSQL, Jenkins, CI/CD, Amazon SQS, Amazon ALB, Amazon EC2, Amazon EFS

### BJ's, Westborough, MA, USA

*June 2019 - September 2020*

#### Software Engineer

- Developed RESTful APIs using Django Rest Framework for product catalog management and streamlined order processing, resulting in significantly improved response times
- Leveraged Redis for fast data caching, reducing database query times and enhancing overall application speed
- Implemented custom Celery tasks for time-intensive operations, such as data processing and email notifications, resulting in a more responsive user experience
- Containerized the forecasting application with Docker and Kubernetes, leading to a 50% reduction in deployment errors and seamless scalability during peak seasons
- Technologies Used: Django Rest Framework, Vue.js, Tailwind CSS, Redis, Celery, Docker, Kubernetes

## Education

### Masters in Data Science

*August 2021 - December 2022*

- University at Buffalo, SUNY, Buffalo, NY, USA | CGPA: 3.4

### Bachelors in Computer Science

*July 2016 - May 2020*

- Hindustan University, Chennai, India | CGPA: 8.31

## Skills

Languages: Python programming, C, SQL, PSQL, JavaScript, HTML, CSS

Frameworks: Django, React.js, Vue.js, Tailwind CSS, PyUnit, PyTest

Libraries: Numpy, Pandas, Sklearn, plotly.express, seaborn, psycopg2, PySpark, selenium, requests, bs4

Others: Docker, Kubernetes, Jenkins, Terraform, Web Scraping

AWS services: IAM, EC2, EBS, EFS, ECS, Lambda, API Gateway, ELB, ASG, VPC, CloudFront, S3, RDS, Aurora, DynamoDB, Redshift, ElastiCache, Glue, SQS, SNS, StepFunctions, Route53, Cognito

## Projects

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### **Portfolio | Django Rest Framework | React.js | AWS - [Click Here](#)**

- Developed a portfolio website showcasing my profile, education, projects, experience, and contact information. Utilized Django Rest Framework, React.js, Tailwind CSS, and AWS EC2 for hosting.
- Implemented like/dislike functionality on the website, enabling visitors to show appreciation for the portfolio. Included an intuitive contact form for easy communication with users.

### **Tutorflow | Django rest framework | Vue.js | AWS - [Click Here](#)**

- Created a feature-rich website that allows users to post questions, provide answers, add follow-up responses, bookmark favorite questions, express preferences through likes or dislikes, and control question privacy settings (public or private).

### **Titanic Data Analysis | EDA | Feature Engineering | LR | Random Forest | SVM - [Click Here](#)**

- Leveraged PySpark's dataframes and SQL API to perform essential data preparation tasks, including filtering, joining, sorting, and aggregating, optimizing data for analysis and modeling.
- Implemented logistic regression with logistic loss and gradient descent optimization, achieving an accuracy of 86.34%. Evaluated the accuracy score against other models, with Random Forests scoring 88.19% and SVM algorithms scoring 87.27%.

## Certifications

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- AWS Cloud practitioner - [Certificate](#)