Ram Chandra Bhavirisetty **AWS certified [view Certificate](#)**

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Summary | Explore my work at https://ramchandra.info

I'm a dedicated full-stack web developer with a strong coding background and a Master's in Data Science. Proficient in Django, REST, GraphQL, ReactJS, PostgreSQL, MongoDB, Docker, Terraform, and AWS, I craft impactful web applications from scratch. My adaptability and passion for web development drive me to create high-quality, secure, and scalable systems using proven design patterns.

Work Experience

Cloud5 Solutions Inc., Edison, NJ, USA | *Python Developer*   *June 2022 - present*

Tech Stack: **Python**, Javascript, **Django Rest Framework**, **ReactJS**, PostgreSQL, Web scraping, Terraform, AWS
- Designed, developed, and optimized Django RestAPIs for automated data extraction and preprocessing.
- Implemented token-based authentication (**JWT**), integrated **GraphQL**, and compared response times with traditional REST APIs.
- Utilized **web scraping** techniques to gather competitor pricing data, resulting in a 20% increase in market insights and improved pricing strategies.
- Implemented state management in ReactJS using **Redux**, optimized components with Memo and callbacks, and leveraged the latest **ES6** features for efficient code.
- Utilized **PostgreSQL** to debug DB tables and Docker to containerize the DB schema for development purposes.
- Automated the configuration of computing resources with Terraform's declarative approach.

Tata Consultancy Services, Chennai, India | *Software Developer*   *January 2021 - August 2021*

Tech Stack: Python, **Flask**, ReactJS, Tailwind CSS, PostgreSQL, **GitLab**, AWS
- Developed and maintained a responsive web application using ReactJS for building frontend, **Flask restful** for APIs, PostgreSQL database, implemented **CI/CD** pipelines with GitLab, and other **AWS** services for hosting
- Collaborated seamlessly with **cross-functional** teams, performed code reviews, demonstrating excellent interpersonal skills to ensure **efficient** communication and successful project **outcomes**

Skills

Languages: Python 3, C++, SQL, PSQL, Javascript, Typescript, HTML, CSS, Object-Oriented programming
Frameworks: Django, Flask, GraphQL, ReactJS, Vue.js, Tailwind CSS, PyUnit, PyTest, TDD
Libraries: asyncio, boto3, numpy, pandas, sklearn, plotly, matplotlib, seaborn, psycopg2, PySpark, PyTorch, selenium
DevOps: Web services, Docker, Kubernetes, Terraform, Ansible, Jenkins, Postman(API Testing)
AWS: IAM, EC2, ECS, Lambda, API Gateway, VPC, S3, RDS, Glue, Redshift, SQS/SNS, Cognito, CloudFormation
Others: Data Structures, RDBMS and NoSQL Databases, Machine Learning, System Design, Design Patterns

Education

Master's Degree in Data Science   *August 2021 - December 2022*
- University at Buffalo, The State University of New York, Buffalo, NY, USA | CGPA: 3.4

Bachelor's Degree in Computer Science   *July 2016 - May 2020*
- Hindustan University, Chennai, India | CGPA: 8.31

Projects

Portfolio | Django Rest Framework | ReactJS | **AWS** | View this project at Click Here
- Developed a portfolio website using Django, ReactJS, Tailwind CSS, and AWS for hosting

Tutorflow | Django rest framework | Vue.js | AWS | View this project at Click Here
- Developed a feature-rich website with a distributed system architecture encompassing diverse functionalities

Titanic Data Analysis | EDA | Feature Engineering | LR | Random Forest | SVM | Github link - Click Here
- Leveraged PySpark's Spark dataframes and SQL API to perform ETL tasks and optimized data processing
- Implemented logistic regression and other machine learning algorithms like SVN, Random Forests