

PADMAVATHI KADIUM

Long Beach, CA - 90815

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Education

SRM University, AP - 3.85

August 2020 - May 2024

Bachelor of Technology in Computer Science in AI & ML

Amaravati, AP

California State University, Long Beach - 3.67

January 2025 - December 2026

Master of Engineering in Computer Science

Long Beach, CA

Experience

CSULB Office of Institutional Research & Analytics

April 2025 – Present

Application Developer

Long Beach, CA, USA

- Collaborated with a team of engineers to design and develop a cross-platform app using Flutter in Dart and Kotlin, enhancing UI/UX and component reuse and reducing overall build time by 50% across Android and iOS platforms.
- Architected and deployed stateless APIs using AWS Lambda with API Gateway, S3, and DynamoDB, ensuring seamless scalability, achieving 99.9% uptime under variable load, and reducing infrastructure costs by 40%.
- Implemented dynamic and responsive web features with TypeScript, React, and Node.js, integrating them with cloud-based backends to improve user experience, streamline workflows, and deliver reliable, production-grade solutions.

Evostra Ventures Pvt Ltd

June 2024 - December 2024

Web Developer Intern

Remote, India

- Developed web scraping pipelines using BeautifulSoup, Scrapy, and Selenium with JavaScript for automation logic, extracting and cleaning unstructured data from dynamic websites and increasing data ingestion throughput by 25%.
- Engineered a React front end and using Django/Node.js, REST APIs with implementing custom middleware for rate-limiting, caching, and request validation to enhance scalability and performance of large-scale data applications.
- Integrated Firebase Storage and Firestore with HTML and CSS based web interfaces to automate structured data export, reducing manual handling and improving data availability by 70%.

Next Tech Lab

January 2023 - May 2024

Research Developer

Amaravati, AP, India

- Developed scalable data processing applications in Java, and SQL, leveraging optimized queries for feature extraction and preprocessing to improve predictive accuracy and reduce processing time by 25%.
- Containerized and deployed applications on Google Cloud Platform using Docker, ensuring high availability and reproducibility while implementing Git-based Agile workflows with CI/CD pipelines to accelerate delivery and reduce integration issues and collaborated with cross functional teams to design and integrate end to end pipelines.

Projects

Voice Based Email System | *HTML, CSS, Javascript, Django, Firebase, Android Studio*

February 2025

- Designed a voice-driven email system enabling hands-free access for visually impaired users across platforms.
- Integrated Google STT/TTS APIs for speech-based email composition and navigation and built a secure Django REST backend to manage user auth, speech processing, and email workflows, with Firebase for real-time updates.

Natural Gas Price Prediction | *Python, ARIMA, XGBoost, LSTM, Pandas, Matplotlib*

December 2024

- Developed a time series forecasting pipeline using ARIMA, XGBoost, and LSTM to predict natural gas prices.
- Engineered lag features and applied walk-forward validation to improve model robustness
- Evaluated models using RMSE and MAE, demonstrating strong performance in energy price prediction.

Technical Skills

Languages: Python, Java, C++, HTML/CSS, JavaScript, TypeScript, AngularJS, NodeJS, .NET, Dart, Kotlin
Developer Tools/ Databases: VS Code, Eclipse, AWS, Android Studio, Xcode, Postman, Django, MongoDB, SQL
Technologies/ Frameworks: Windows, Linux, Git, Docker, Kubernetes, CI/CD, Jenkins, Terraform, UI/UX, GitHub, Bootstrap, PostgreSQL, NoSQL, Spring, REST, React Native, Scikit-learn, TensorFlow, Keras, LightGBM, PyTorch, OpenCV, Pandas, NumPy, Matplotlib, Seaborn, Statsmodels, SciPy, Imbalanced-learn, Microsoft Word, Excel, PowerPoint

Certifications / Publications

- **AWS Cloud Technical Essentials** — *edX* July 2025
- **Analyzing the Health Data: An Application on Sequential Pattern Mining** — *IEEE* December 2024
- **Analyzing Health Data: An Application of High Utility Item Mining** — *IEEE* November 2023
- **The Complete Full-Stack Web Development Bootcamp** — *Udemy* August 2023
- **SRM Research Day** — *Gold Medal* 2023 & 2024