

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, 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 for 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, REST 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 on GCP using Docker and Terraform, ensuring high availability and reproducibility.
- Implemented Git based Agile workflows with Jenkins CI/CD pipelines to accelerate delivery, 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**