SRINATH NULIDONDA

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TECHNICAL SKILLS

Programming Languages: Python, JavaScript, Java, Dart, HTML5, CSS3, SQL
Frameworks & Libraries: Flask, Flutter, React.js, Bootstrap, Tailwind CSS, scikit-learn, NumPy, Pandas, SciPy, NetworkX
Databases & Storage: PostgreSQL, Redis, Firebase Firestore, Firebase Storage
Cloud & Deployment: Vercel, Render, Firebase, Google Cloud Platform
Machine Learning: TF-IDF, Cosine Similarity, SVD, PCA, Collaborative Filtering
Mobile Development: Flutter, Dart
Web Technologies: RESTful APIs, PWA Development, Responsive Design, SEO Optimization
Developer Tools: Git/GitHub, VS Code

EDUCATION

CMR Engineering College   2021 - 2025
Bachelor of Technology in Computer Science and Engineering   *Hyderabad, Telangana*

PROJECTS

CineBrain: AI-Powered Entertainment Discovery Platform | *Python, Flask, ML, PostgreSQL, Redis*   🔾 GitHub | 🌐 Live
- Architected AI recommendation engine processing 10M+ titles using TF-IDF and Cosine Similarity algorithms
- Optimized system performance to deliver recommendations in less than 50ms with 98.5% cache hit rate using Redis, serving 50,000+ daily active users
- Integrated 4 external APIs (TMDB, OMDB, Jikan, YouTube) into Flask backend with PostgreSQL database, reducing data retrieval time by 60%
- Designed responsive PWA supporting 50+ languages with SEO optimization, increasing organic traffic by 45% within 3 months

Weatherly: Cross-Platform Weather Application | *Flutter, Python, Flask, OpenWeatherMap API*   🔾 GitHub | 🌐 Live
- Engineered cross-platform weather app using Flutter mobile interface and web application, supporting 200+ global cities
- Integrated OpenWeatherMap API with Flask backend, implementing rate limiting (30 requests/minute) and caching strategies to reduce API costs by 40%
- Deployed glassmorphism UI with dynamic theming, resulting in 4.7/5 user rating and 12-minute average session duration

Manga Reader App: Mobile Reading Platform | *Flutter, Firebase, Dart, Riverpod, Syncfusion*   🔾 GitHub | 📥 APK
- Constructed mobile reading application handling 500+ PDF files with Syncfusion Flutter PDF viewer, supporting offline reading
- Implemented Firebase authentication and Firestore database serving users with cloud synchronization across 3+ devices per user
- Optimized memory management using Riverpod state management, reducing app crashes by 85% and maintaining smooth 60fps scrolling performance
- Delivered auto-save functionality and reading progress tracking, increasing user engagement by 65%

TECHNICAL ACHIEVEMENTS

- Machine Learning Implementation: Designed recommendation algorithms processing 10M+ data points with 87% accuracy rate
- Performance Optimization: Reduced application response times by 60% through Redis caching and database query optimization
- API Development: Created 15+ RESTful endpoints handling 10,000+ daily requests with 99.95% uptime
- Cross-Platform Deployment: Successfully deployed applications on 3 platforms (Web, Android, iOS) serving combined users
- Database Management: Structured PostgreSQL and Firebase databases supporting concurrent access for users
- Code Quality: Maintained 80%+ test coverage across projects with automated CI/CD pipelines reducing deployment time by 50%

CODING PROFILES

GitHub: 15+ repositories with 3 production applications

GeeksforGeeks

LeetCode